CiM-25

for

SDM-300A & SLM-3650

IP-Enabled M&C
Installation and Operation Manual
Part Number CD/CIM25-300A.IOM
Rev. 3

Errata A

Comtech EF Data Documentation Update

Subject: Revise Paragraph 2.3.1 Powering the CiM-25

Date: July 9, 2004
Part Number: CD/CIM25300A.IOM
Related Document: CiM-25 for SDM-300A & SLM-3650, **IP-Enabled M&C, Installation and Operation Manual,Part Number CD/CIM25300A.IOM,Rev. 3**
Collating Instructions: Attach to Page 4

Comments:

This information will be incorporated into the next revision.

Change Specifics:

2.3.1 Powering the CiM-25

An AC/DC adapter is supplied to provide the CiM-26F power via the power-jack connector. There is no ON/OFF switch for the CiM-25.

Errata B

Comtech EF Data Documentation Update

CiM-25

for

SDM-300A & SLM-3650

IP-Enabled M&C
Installation and Operation Manual
Part Number CD/CIM25-300A.IOM
Rev. 3

Subject:	Revise Para. **2.3.1 POWERING THE CiM-25**
Date:	October 27, 2009
Original Manual Part Number/Rev:	CD/CiM25300A.IOM
Errata Number/ Agile Document ID:	ER-CD_CiM25300A.EB3
Agile CO Number:	CO 9811
Comments:	This Errata serves to void and replace **Errata A** (released on July 9, 2004). The information provided here will be incorporated into the next formal manual revision.
Collating Instructions:	Attach to Page 4
Change Specifics:	

2.3.1 POWERING THE CiM-25

An AC/DC adapter is provided to supply power to the CiM-25 via the power-jack connector (located next to the RJ-45 connector). There is no ON/OFF switch for the CiM-25.

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cIM-25

for

SDM-300A & SLM-3650

IP Enabled M&C
Installation and Operation Manual

Part Number CD/CIM25-300A.IOM
REV. 3
March 2, 2004

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- Product support or training
- Information on upgrading or returning a product
- Reporting comments or suggestions concerning manuals

A Customer Support representative may be reached at:

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Attention: Customer Support Department
2114 West 7th Street
Tempe, Arizona 85281 USA

480.333.2200 (Main Comtech EF Data Number)
480.333.4357 (Customer Support Desk)
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For more information regarding the warranty policies, see Warranty Policy, p. xiii.

Table of Contents

Customer Support ii

About this Manual x

Conventions and References x

Metric Conversion x

Trademarks x

EMC Compliance xi

Federal Communications Commission (FCC) xi

Safety Compliance xii

EN 60950 xii

Warranty Policy xiii

CHAPTER 1. INTRODUCTION 1

1.1 Introduction 1

1.2 Specifications 2

CHAPTER 2. INSTALLATION 3

2.1 Unpacking and Inspection 3

2.2 Configuration 3

2.3 Connecting CiM-25 To Equipment 4

2.3.1 Powering the CiM-25 4

2.3.2 CiM-25 Connectors 4

CHAPTER 3. OPERATION 7

3.1 Overview 7

3.2 Administration and Security 7
3.2.1 Security Tools 8
3.2.2 Network Administration 9

3.3 HTTP Interface 10
3.3.1 Local LAN Configuration 10
3.3.2 Home Page 13
3.3.3 Logoff Page 14
3.3.4 Contact Information Page 15
3.3.5 Support Page 16
3.3.6 Administration Page 17
3.3.7 Modem Configuration Page (Rx/Tx) 20
3.3.8 Status Page 21
3.3.9 Interface Parameters Page (Tx/Rx) 22
3.3.10 Asynchronous Inteface Page 23
3.3.11 AUPC Page 24
3.3.12 Utilities Page 25
3.3.13 Modem Clocks Page 26
3.3.14 Faults/Alarms Page 27
3.3.15 Stored Faults/Alarms Page 28

3.4 SNMP Interface 29

3.5 Telnet Interface 31
3.5.1 Telnet Administrative Functions 32
3.5.2 Using Telnet with Equipment Remote Control Protocol 38

3.6 Maintenance Interface 39
3.6.1 Resetting to Factory Defaults 40
3.6.2 Changing Network IP Address 40
3.6.3 Verifying Software Version 40
3.6.4 Changing MAC Address 40
3.6.5 Changing Serial Number 41

APPENDIX A. CIM-25/300A SNMP INTERFACE 43

A.1 SNMP Interface 43

A.2 MIB-II 43

A.3 Private MIB Implementations 43

A.4 CiM-25 MIB Tree 44

A.5 CiM-25 MIB 46
A.5.1 iso 46

A.5.2 org 46
A.5.3 dod 46
A.5.4 internet 46
A.5.5 private 46
A.5.6 enterprises 47
A.5.7 comtech 47
A.5.8 cim25 47
A.5.9 cim25Objects 47
A.5.10 ipAddress1 48
A.5.11 ipAddress2 48
A.5.12 ipAddress12Range 49
A.5.13 ipAddress3 49
A.5.14 ipAddress4 50
A.5.15 ipAddress34Range 50
A.5.16 ipAddress5 51
A.5.17 ipAddress6 51
A.5.18 ipAddress56Range 52
A.5.19 dnsIpAddressPrimary 52
A.5.20 dnsIpAddressSecondary 53
A.5.21 cim25IpAddress 53
A.5.22 cim25IpGateway 53
A.5.23 cim25IpMask 54
A.5.24 readonlyPassword 54
A.5.25 readwritePassword 55
A.5.26 administratorPassword 55
A.5.27 trapIpAddress 56
A.5.28 trapCommunity 56
A.5.29 administratorName 57
A.5.30 readonlyName 57
A.5.31 readwriteName 58
A.5.32 macAddress 58
A.5.33 submitconfig 59

A.6 SDM-300A/SLM-3650 MIB Tree 60

A.7 SDM-300A/SLM-3650 MIB 67
A.7.1 iso 67
A.7.2 org 67
A.7.3 dod 67
A.7.4 internet 67
A.7.5 private 68
A.7.6 enterprises 68
A.7.7 comtech 68
A.7.8 sdm300A 68
A.7.9 sdm300AObjects 69
A.7.10 systemInfo 69

A.7.11 equipmentType 69
A.7.12 unitSerialNumbers 70
A.7.13 firmwareBoot 70
A.7.14 firmwareMC 71
A.7.15 firmwareBULK 71
A.7.16 modemOptions 72
A.7.17 card1Type 72
A.7.18 card2Type 73
A.7.19 card3Type 73
A.7.20 card1Options 74
A.7.21 card2Options 74
A.7.22 card3Options 75
A.7.23 stateOfProduct 75
A.7.24 deviceTime 76
A.7.25 deviceDate 76
A.7.26 operationMode 77
A.7.27 modemType 77
A.7.28 txParameters 78
A.7.29 txFrequency 78
A.7.30 txModulatorType 79
A.7.31 txRateSelect 79
A.7.32 txEncoderType 80
A.7.33 txSpecRotation 80
A.7.34 txScrambler 81
A.7.35 txDifferentialEncoder 81
A.7.36 txPowerLevel 82
A.7.37 txPowerOffset 82
A.7.38 txCarrierState 83
A.7.39 txRSEnable 83
A.7.40 txRSInterleave 84
A.7.41 txBPSKBitOrder 84
A.7.42 txIESS310 85
A.7.43 rxParameters 85
A.7.44 rxFrequency 86
A.7.45 rxDemodulatorType 86
A.7.46 rxRateSelect 87
A.7.47 rxDecoderType 87
A.7.48 rxSpecRotation 88
A.7.49 rxDescrambler 88
A.7.50 rxDifferentialDecoder 89
A.7.51 rxSweepCenter 89
A.7.52 rxSweepRange 90
A.7.53 rxSwpReacquisition 90
A.7.54 rxRSEnable 91
A.7.55 rxRSInterleave 91

A.7.56 rxBPSKBitOrder 92
A.7.57 rxIESS310 92
A.7.58 interfaceParameters 93
A.7.59 modemReference 93
A.7.60 txOverheadType 94
A.7.61 rxOverheadType 94
A.7.62 txDataFault 95
A.7.63 rxDataFault 95
A.7.64 txDataPhase 96
A.7.65 rxDataPhase 96
A.7.66 txTerrestrialInterface 97
A.7.67 rxTerrestrialInterface 97
A.7.68 txClockSource 98
A.7.69 rxBufferClockSource 98
A.7.70 extClkRefFrequency 99
A.7.71 txClockPhase 99
A.7.72 rxClockPhase 100
A.7.73 rxBufferSizeProgramming 100
A.7.74 rxBufferSize 101
A.7.75 rxFramingStructureT1 101
A.7.76 rxFramingStructureE1 102
A.7.77 txCodingFormat 102
A.7.78 rxCodingFormat 103
A.7.79 dropDataFormat 103
A.7.80 insertDataFormat 104
A.7.81 insertE1CRCEnable 104
A.7.82 dropChAssignment 105
A.7.83 insertChAssignment 105
A.7.84 idrTxESCType 106
A.7.85 idrRxESCType 106
A.7.86 asyncTxOHBaudRate 107
A.7.87 asyncRxOHBaudRate 108
A.7.88 asyncTxOHCharLength 108
A.7.89 asyncRxOHCharLength 109
A.7.90 asyncTxOHStopBits 109
A.7.91 asyncRxOHStopBits 110
A.7.92 asyncTxOHParity 110
A.7.93 asyncRxOHParity 111
A.7.94 asyncTxOHCommType 111
A.7.95 asyncRxOHCommType 112
A.7.96 rxBufferCenter 112
A.7.97 utilityParameters 113
A.7.98 ctsDelayTime 113
A.7.99 serviceChannelLevelTX1 114
A.7.100 serviceChannelLevelTX2 114

A.7.101 serviceChannelLevelRX1 115
A.7.102 serviceChannelLevelRX2 115
A.7.103 idrBackwardAlarmEnableTX1 116
A.7.104 idrBackwardAlarmEnableTX2 116
A.7.105 idrBackwardAlarmEnableTX3 117
A.7.106 idrBackwardAlarmEnableTX4 117
A.7.107 idrBackwardAlarmEnableRX1 118
A.7.108 idrBackwardAlarmEnableRX2 118
A.7.109 idrBackwardAlarmEnableRX3 119
A.7.110 idrBackwardAlarmEnableRX4 119
A.7.111 carrierOnlyMode 120
A.7.112 ifLoopBack 120
A.7.113 rfLoopBack 121
A.7.114 basebandLoopBack 121
A.7.115 interfaceLoopBack 122
A.7.116 interfaceLoopTiming 122
A.7.117 rfModeControl 123
A.7.118 rtsControlTXIF 123
A.7.119 substitutePattern 124
A.7.120 readErrorSelect 124
A.7.121 rxBERThreshold 125
A.7.122 aupcParameters 125
A.7.123 localModemAUPCMode 126
A.7.124 aupcLocalEnable 126
A.7.125 aupcNominalPwrLevel 127
A.7.126 aupcMaximumPwrLevel 127
A.7.127 aupcMinimumPwrLevel 128
A.7.128 aupcEBNOTarget 128
A.7.129 aupcMaxTrackRate 129
A.7.130 aupcLocalCDLossAction 129
A.7.131 aupcRemoteCDLossAction 130
A.7.132 remoteAUPCEnable 130
A.7.133 remoteIntfSubstPattern 131
A.7.134 remoteIntfBBLoopback 131
A.7.135 remoteEBNO 132
A.7.136 statusParameters 132
A.7.137 rxRawBER 133
A.7.138 rxCorrectedBER 133
A.7.139 rxEbno 134
A.7.140 rxSignalLevel 134
A.7.141 rxSweepValue 135
A.7.142 rxbufferFillState 135
A.7.143 modemFaultStatus 136
A.7.144 modulatorStatus 137
A.7.145 demodulatorStatus 138

A.7.146 txInterfaceStatus 139
A.7.147 rxInterfaceStatus 140
A.7.148 commonEquipStatus 141
A.7.149 backwardAlarmStatus 142
A.7.150 trapNotifications 142
A.7.151 trapNotificationsPrefix 143
A.7.152 unitFaultTraps 143

INDEX 147

ABOUT THIS MANUAL

This manual provides installation and operation information for the Comtech EF Data CiM-25/300A IP Enabled M&C. This is a technical document intended for earth station engineers, technicians, and operators responsible for the operation and maintenance of the CiM-25/300A IP Enabled M&C.

CONVENTIONS AND REFERENCES

CAUTIONS AND WARNINGS

Indicates information critical for proper equipment function.

Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury. CAUTION may also be used to indicate other unsafe practices or risks of property damage.

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

METRIC CONVERSION

Metric conversion information is located on the inside back cover of this manual. This information is provided to assist the operator in cross-referencing English to Metric conversions.

TRADEMARKS

All product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

REPORTING COMMENTS OR SUGGESTIONS CONCERNING THIS MANUAL

Comments and suggestions regarding the content and design of this manual will be appreciated. To submit comments, please contact the Comtech EF Data Customer Support Department.

EMC COMPLIANCE

This is a Class A product. In a domestic environment, it may cause radio interference that requires the user to take adequate protection measures.

EN55022 COMPLIANCE

This equipment meets the radio disturbance characteristic specifications for information technology equipment as defined in EN55022.

EN50082-1 COMPLIANCE

This equipment meets the electromagnetic compatibility/generic immunity standard as defined in EN50082-1.

FEDERAL COMMUNICATIONS COMMISSION (FCC)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference; in which case, users are required to correct the interference at their own expense.

Note: To ensure compliance, properly shielded cables for DATA I/O shall be used. More specifically, these cables shall be shielded from end to end, ensuring a continuous shield.

SAFETY COMPLIANCE

EN 60950

Applicable testing is routinely performed as a condition of manufacturing on all units to ensure compliance with safety requirements of EN60950.

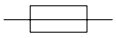
This equipment meets the Safety of Information Technology Equipment specification as defined in EN60950.

LOW VOLTAGE DIRECTIVE (LVD)

The following information is applicable for the European Low Voltage Directive (EN60950):

<HAR>	Type of power cord required for use in the European Community.
	CAUTION: Double-pole/Neutral Fusing. ACHTUNG: Zweipolige bzw. Neutralleiter-Sicherung.

International Symbols:

Symbol	Definition
	Alternating Current.
	Fuse.

Symbol	Definition
	Protective Earth.
	Chassis Ground.

Note: For additional symbols, refer to “Cautions” listed earlier in this preface.

WARRANTY POLICY

This Comtech EF Data product is warranted against defects in material and workmanship for a period of two years from the date of shipment. During the warranty period, Comtech EF Data will, at its option, repair or replace products that prove to be defective.

For equipment under warranty, the customer is responsible for freight to Comtech EF Data and all related custom, taxes, tariffs, insurance, etc. Comtech EF Data is responsible for the freight charges **only** for return of the equipment from the factory to the customer. Comtech EF Data will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to Comtech EF Data.

LIMITATIONS OF WARRANTY

The foregoing warranty shall not apply to defects resulting from improper installation or maintenance, abuse, unauthorized modification, or operation outside of environmental specifications for the product, or, for damages that occur due to improper repackaging of equipment for return to Comtech EF Data.

No other warranty is expressed or implied. Comtech EF Data specifically disclaims the implied warranties of merchantability and fitness for particular purpose.

EXCLUSIVE REMEDIES

The remedies provided herein are the buyer's sole and exclusive remedies. Comtech EF Data shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

DISCLAIMER

Comtech EF Data has reviewed this manual thoroughly in order that it will be an easy-to-use guide to your equipment. All statements, technical information, and recommendations in this manual and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representations or warranties concerning the products described. Further, Comtech EF Data reserves the right to make changes in the specifications of the products described in this manual at any time without notice and without obligation to notify any person of such changes.

If you have any questions regarding the equipment or the information in this manual, please contact the Comtech EF Data Customer Support Department.

NOTES

Chapter 1. INTRODUCTION

CiM-25
IP-Enabled
M&C Interface

1.1 INTRODUCTION

The CiM-25 is a low-cost solution for providing an Internet Protocol (IP) Monitor and Control (M&C) interface for existing Comtech EF Data satellite modems, RF frequency converters and solid-state power amplifiers. The CiM-25 provides a custom proxy interface between the IP world and the equipment's existing serial remote control interface.

The CiM-25 provides powerful equipment management tools via the uses of HTTP protocol, SNMP v2c Protocol, and Telnet Protocol. Wrapped around these industry standard protocols is a system of account access and IP security control features to safeguard equipment from unwanted intrusions. The CiM-25 brings customer support to a new level by providing SMTP Protocol to facilitate automated, direct E-mail to Comtech EF Data's Customer Support Center.

The CiM-25 is packaged in a very compact 4.3" x 1.7" x 0.8". The unit can be powered directly by the attached equipment or via an external AC/DC adapter. The CiM-25 requires less than 1 of watt power.

The CiM-25 uses flash technology providing support for a wide variety of products from a single hardware platform. The CiM-25 either currently or will in the near future support the following Comtech EF Data equipment:

- Modems

SDM-300L1*	SDM-300A/SLM-3650*
SDM-300L2*	CDM-550T
SDM-300L3	CDM-600*
SDM-2020M*	SDM-2020D*
SDM-8000*	SDM-9000*

- Frequency Converter

  UT4500 series 1 kHz and 125 kHz step size Up Converters*
  DT4500 series 1 kHz and 125 kHz step size Down Converters*

*Requires an external 5 Vdc Power Supply (universal AC input). See section 2.3.1, Powering the CiM-25.

1.2 SPECIFICATIONS

SYSTEM SPECIFICATIONS	
Ethernet Interface	10base T (RJ-45)
Equipment Interface	DB9 Female on CiM-25F
	DB9 Male on CiM-25M
ENVIRONMENTAL AND PHYSICAL	
Temperature	Operating: 0 to 50º C
	Storage: -25 to 70º C
Power Supply	4.75 to 5.25 Vdc
Power Consumption	0.9 W typical, 1.5 W maximum
Physical Dimensions	L=110, W=43, H=20 (mm)
	L=4.3, W=1.7, H=0.8 (inches)
Weight	< 1 lbs
CE Approvals	EN55022 Class B (Emissions)
	EN50082-1 Part 1 (Immunity)
	EN60950 (Safety)
FCC Approval	FCC Part 15 Class B

Chapter 2. INSTALLATION

Unpacking and Inspection..... 3
Configuration..... 3
Connecting CiM-25 To Equipment..... 4

2.1 UNPACKING AND INSPECTION

Inspect shipping containers for damage. If shipping containers are damaged, keep them until the contents of the shipment have been carefully inspected and checked for normal operation.

Remove the packing list from the outside of the shipping carton. Open the carton and remove the contents, checking the contents against the packing list. Verify completeness of the shipment and that the unit functions correctly. If damage is evident, contact the carrier and Comtech EF Data immediately and submit a damage report. Keep all shipping materials for the carrier's inspection.

If the unit needs to be returned to Comtech EF Data, please use the original shipping container.

2.2 CONFIGURATION

There are no internal jumpers to configure, no interface cards to install, and no other options to install. All configuration is carried out entirely in software. The unit should first be configured locally, using the RJ-45 Ethernet interface. The unit will ship with a default IP address of 10.6.30.1, Gateway 0.0.0.0, and Mask 255.255.0.0. The default Administrator Name and Password are **admin** and **1234** respectively. See the operations section for details regarding configuring and administrating the CiM-25.

2.3 CONNECTING CiM-25 TO EQUIPMENT

The CiM-25 is designed to connect directly (no cabling) to supported Comtech EF Data Modems, Frequency Converters, or Solid State Power Amplifiers using the equipment's 9-pin remote control interface port. The CiM-25 interfaces to this equipment via a RS-232 interface at a baud rate of 19200 bps and a data format of 8-N-1. Therefore, it is necessary to first select the RS-232 interface type on the interfacing equipment prior to connecting the CiM-25 to said equipment. Some equipment automatically selects a unit address of **0** when RS232 is chosen while other equipment require the user to configure the unit remote control address to **1**. In addition, on equipment that supports multiple data formats the user must select **8-N-1** format.

2.3.1 POWERING THE CiM-25

The CiM-25F can accept power either on pin 4 of the DB9 interface to the equipment or via the power jack located next to the RJ-45 connector. An optional AC/DC adapter can be purchased to provide the CiM-25F power via the power-jack connector.

The CiM-25M accepts power via the power jack located next to the RJ-45 connector. An AC/DC adapter must be purchased to provide power to the CiM-25M.

All CDM-550 and CDM-600 modems shipped from the factory after June 1, 2001 have been modified to supply the 5 Vdc signal on pin 4. All units shipped from the factory prior to this date DO NOT provide the 5 Vdc on pin 4. A field modification kit is available and can be purchased for CDM-550 and CDM-600 modems shipped prior to this date

There is no ON/OFF switch for the CiM-25.

2.3.2 CiM-25 CONNECTORS

There are three connectors located on each CiM-25. Each is defined below:

- RJ-45 - 10base T Ethernet interface.
- DB9 – RS-232 equipment interface (either male or female)
- 1.3mm – DC Power Jack

The pinout details for these connectors are provided below.

RJ-45 Pin Out

Pin	Function
1	Tx+
2	Tx-
3	Rx+
4	No Connection
5	No Connection
6	Rx-
7	No Connection
8	No Connection

DB(Female (CiM-25F)

Pin	Function
1	Ground
2	**CiM-25 Rx**
3	**CiM-25 Tx**
4	+5 Vdc Input
5	Ground
6	No Connection
7	No Connection
8	No Connection
9	No Connection

DB9 Male (CiM-25M)

Pin	Function
1	Ground
2	**CiM-25 Rx**
3	**CiM-25 Tx**
4	No Connection
5	Ground
6	+5 Vdc Input
7	No Connection
8	No Connection
9	No Connection

1.3mm – DC Power Jack

Pin	Function
Center Conductor	+5 Vdc Input
Outer Conductor	Ground

NOTES:

Chapter 3. OPERATION

Overview 7
Administration and Security 7
HTTP Interface 10
SNMP Interface 29
Telnet Interface 31
Maintenance Interface 39

3.1 OVERVIEW

Each CiM-25 unit is programmed in the factory to provide a custom proxy interface to one of Comtech EF Data's previously defined equipments. This means that a CiM-25 that is loaded to interface a SDM-300A Modem to the IP world will not operate with any other piece of Comtech EF Data equipment, unless the personality is changed via a flash upload. However every C*i*M-25, independent of personality, shares a large number of common features. For instance, all CiM-25 units provide the same degree of security features, network protocols, and administration features. The following sections will provide a detailed description of all the features available for a specific C*i*M-25 (i.e. CiM-25/300A with SDM-300A or SLM-3650 Modem). Those areas that are common to all CiM-25 units will be expounded upon and delineated. The areas that are specific to the individual personality (i.e. equipment parameter control) will only be briefly covered since these are already covered in detail in the individual equipment operator manuals.

3.2 ADMINISTRATION AND SECURITY

The CiM-25 has been designed to provide a high degree of administrative flexibility to insure that each customer can configure the device (or network of devices) in a manner that meets his/her security needs. The primary tools provided are the Host Allow List, PING enable/disable, and three (3) level user login. Used as a group, these three tools provide the CiM-25 with a very high degree of security. Each of these tools is described in more detail below:

3.2.1 SECURITY TOOLS

3.2.1.1 USER LOGIN

For the HTTP interfaces the CiM-25 provides three (3) levels of user login. The Telnet interface, provides the first two (2) of the following levels. The highest level is the **Administrator** login. This level allows 100% complete access to all controllable CiM-25 and equipment parameters. The next level of user login is the **Read/Write** level. This level allows access to all controllable equipment parameters but does not allow access to the administration parameters of the CiM-25 itself. The lowest level of login is the **Read Only** login. As the name implies, this level allows the user to view, but not change, the equipment parameters. Like the **Read/Write** level, this level does not allow access to the administration parameters of the CiM-25.

The Name and Password factory defaults for the three level defined above are:

- Administrator Level:
  - Name: **admin**
  - Password: **1234**
- Read/Write Level:
  - Name: **opcenter**
  - Password: **1234**
- Read Only Level:
  - Name: **monitor**
  - Password: **1234**

The SNMP interface uses all three (3) levels of user login utilizing the SNMP v2c (community string) method of security. The community string is the concatenation of the name and password, i.e. **admin1234**, default admin community string.

3.2.1.2 HOST ALLOW LIST

The CiM-25 provides a high degree of security by allowing the Administrator to define a list of IP addresses to which the CiM-25 will accept/respond to IP datagrams. The Administrator can select up to six (6) individual allowable IP addresses or up to three (3) allowable IP address ranges or any combination of individual and ranges that can be defined by six fields (see HTTP interface below for further details). The host allow list is applied to all three CiM-25 interfaces (HTTP, SNMP, and Telnet).

3.2.1.3 PING ENABLE/DISABLE

The final piece to the CiM-25 security design is the PING Enable/Disable feature. This feature allows the Administrator to disable PING on an individual C*i*M-25. This in effect conceals the CiM-25 from most hackers.

3.2.2 NETWORK ADMINISTRATION

In addition to the three items described above under Security, the CiM-25 provides the following network administration facilities:

- Configure IP Address, IP Gateway, and IP Mask.
- Select Primary and Secondary DNS server IP addresses.
- Select SMTP domain Name and IP address.
- Select SNMP Trap IP address and Trap Community string.

3.3 HTTP INTERFACE

This section of this document will explain the HTTP (Web Server) interface provided by the CiM-25/300A.

3.3.1 LOCAL LAN CONFIGURATION

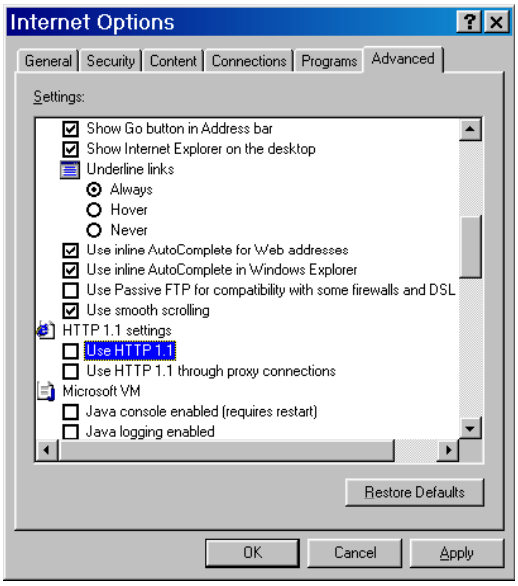
The web page interface is best viewed at 1024 x 768 resolution using Internet Explorer 5.5 or higher and a 17" or larger monitor.

3.3.1.1 HTTP 1.1

IMPORTANT

For best performance, HTTP 1.1 should be disabled. It can be changed as follows:

Step	Procedure	Example
1.	Click **Start**, **Settings**, then **Control Panel**.	
2.	Double-click the **Internet Options** icon in the Control Panel.	
3.	Under the **Advanced** tab, scroll down to **HTTP 1.1 settings**.	
4.	Uncheck the **Use HTTP 1.1** box and click **OK**.	

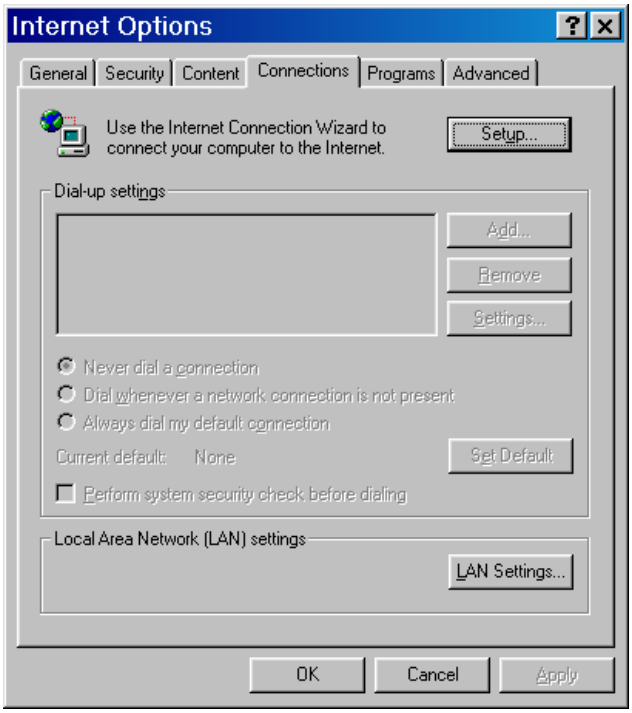


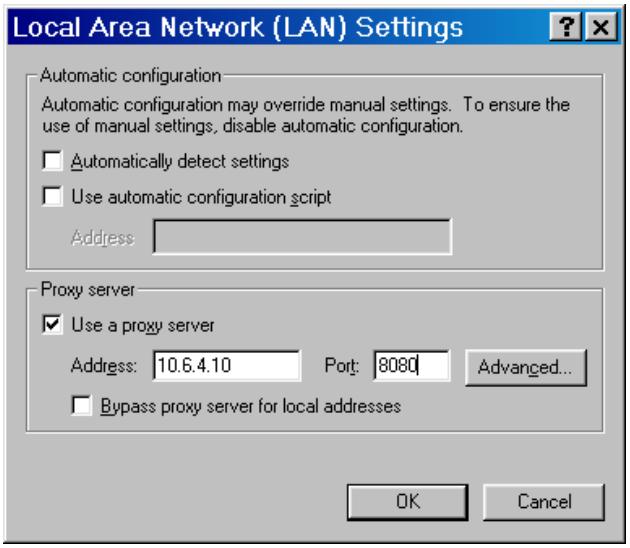
3.3.1.2 PROXY SERVER

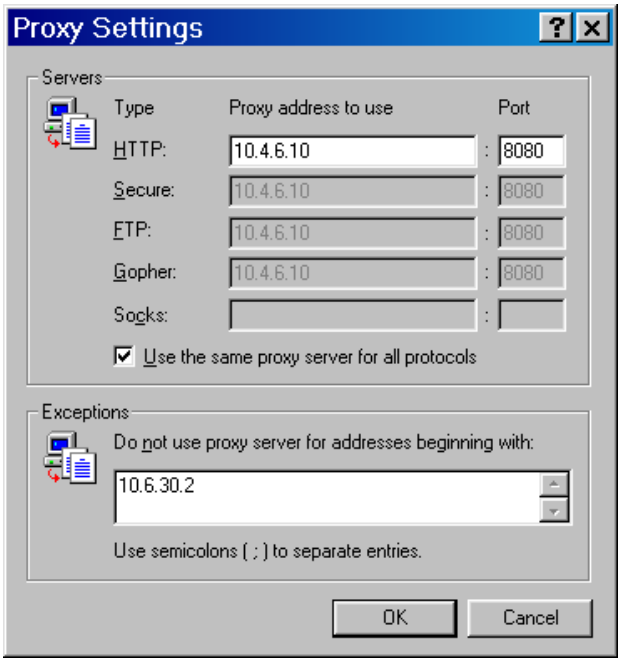
IMPORTANT

If your network uses a proxy server, it may be necessary to disable the use of it for the browser to work. It can be changed as follows:

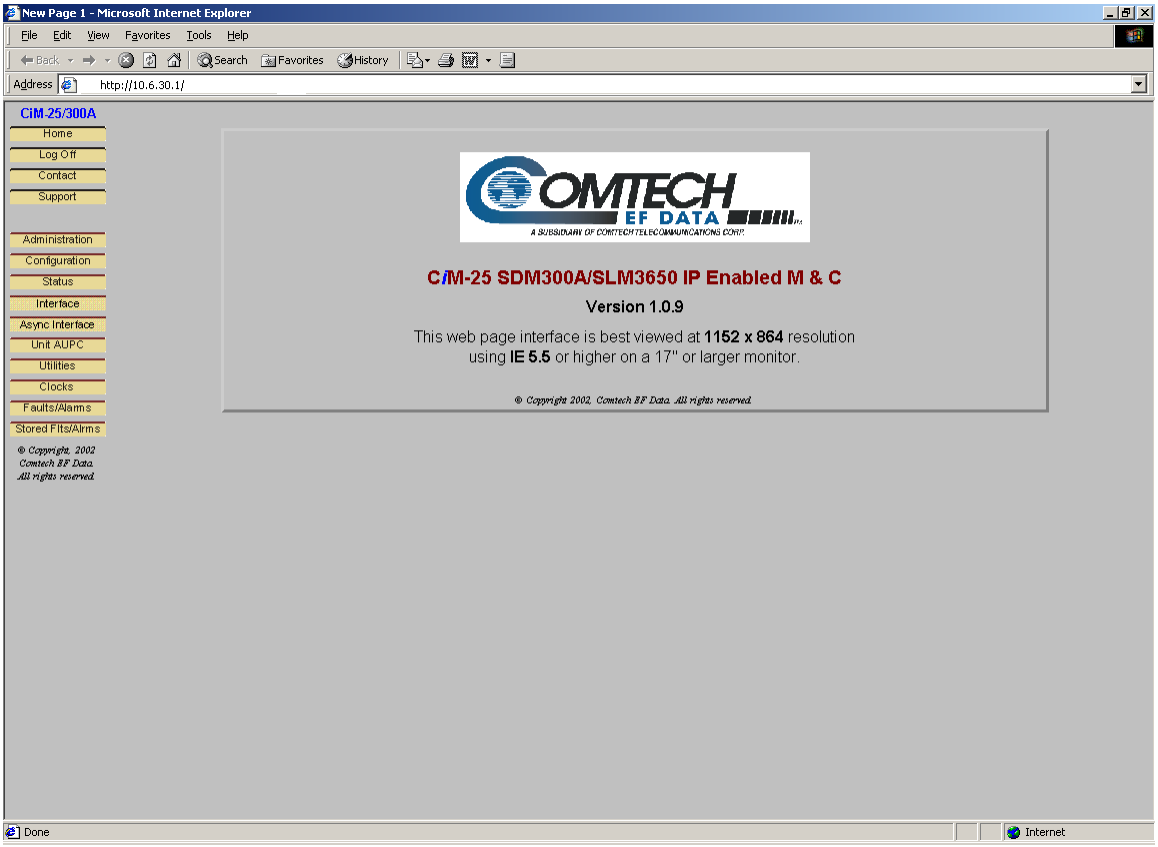
Step	Procedure	Example
1.	Click **Start**, **Settings**, then **Control Panel**.	
2.	Double-click the **Internet Options** icon in the Control Panel.	
3.	Under the **Connections** tab, click the **LAN Settings** button.	
4.	At this point you must do one of the following: a. Uncheck the **Use a proxy server** box and click **OK**. *or* b. Click the **Advanced** button and go to the next step.	





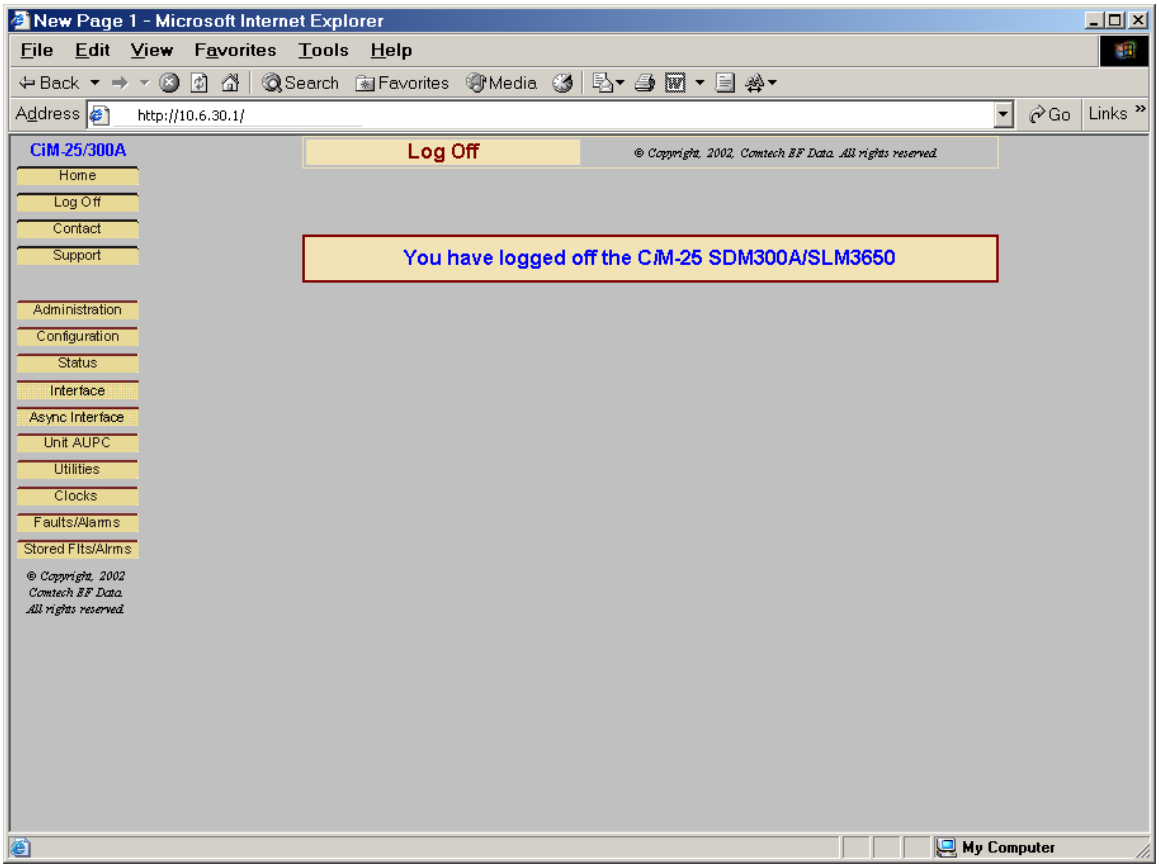
Step	Procedure	Example
5.	In the **Exceptions** box, enter the IP address of the CiM module and click **OK**.	

3.3.2 HOME PAGE



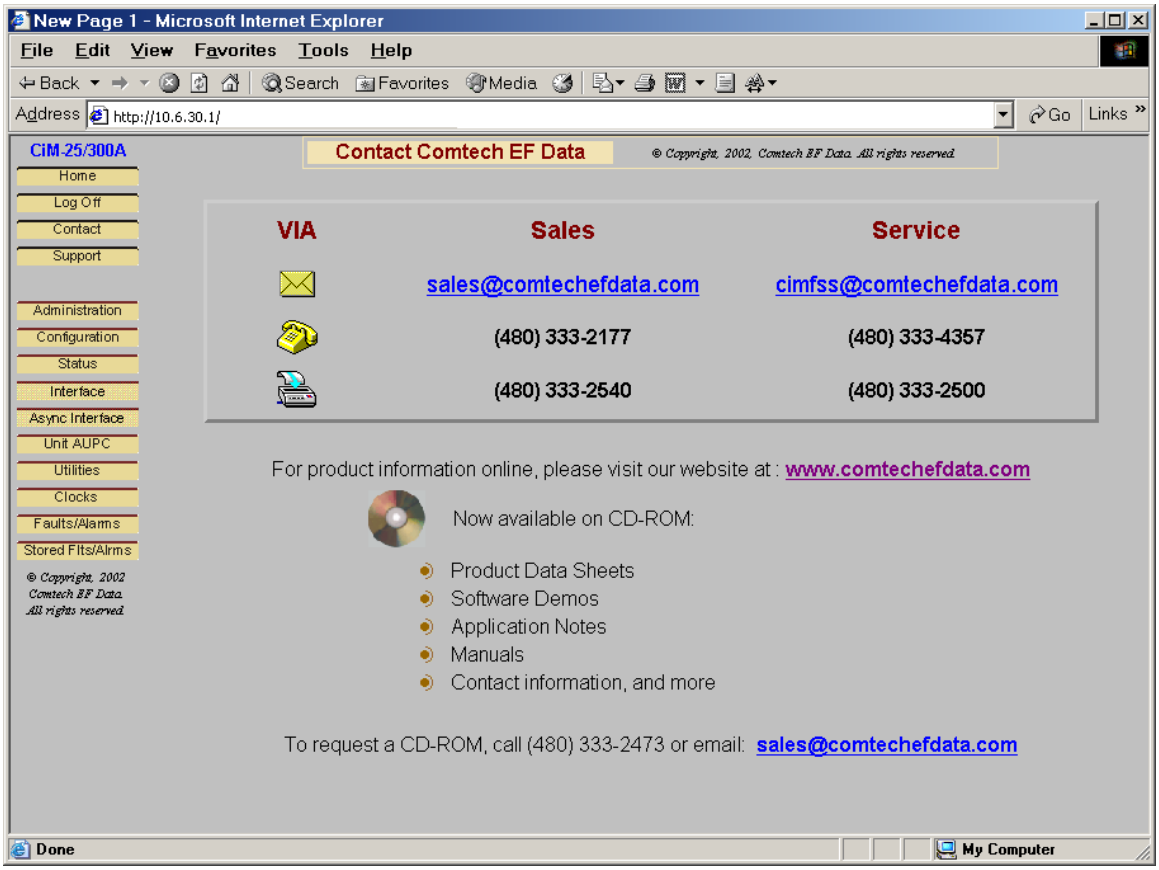
Welcome to the CiM-25/300A Web Interface. The following sections will give you a brief introduction to each web page available.

3.3.3 LOGOFF PAGE



The CiM-25 allows multiple connections to the Web Interface. The Web Interface and Telnet Interface cannot be used at the same time.You must logoff the Web Interface in order to log into the Telnet Interface and vice versa.

3.3.4 CONTACT INFORMATION PAGE

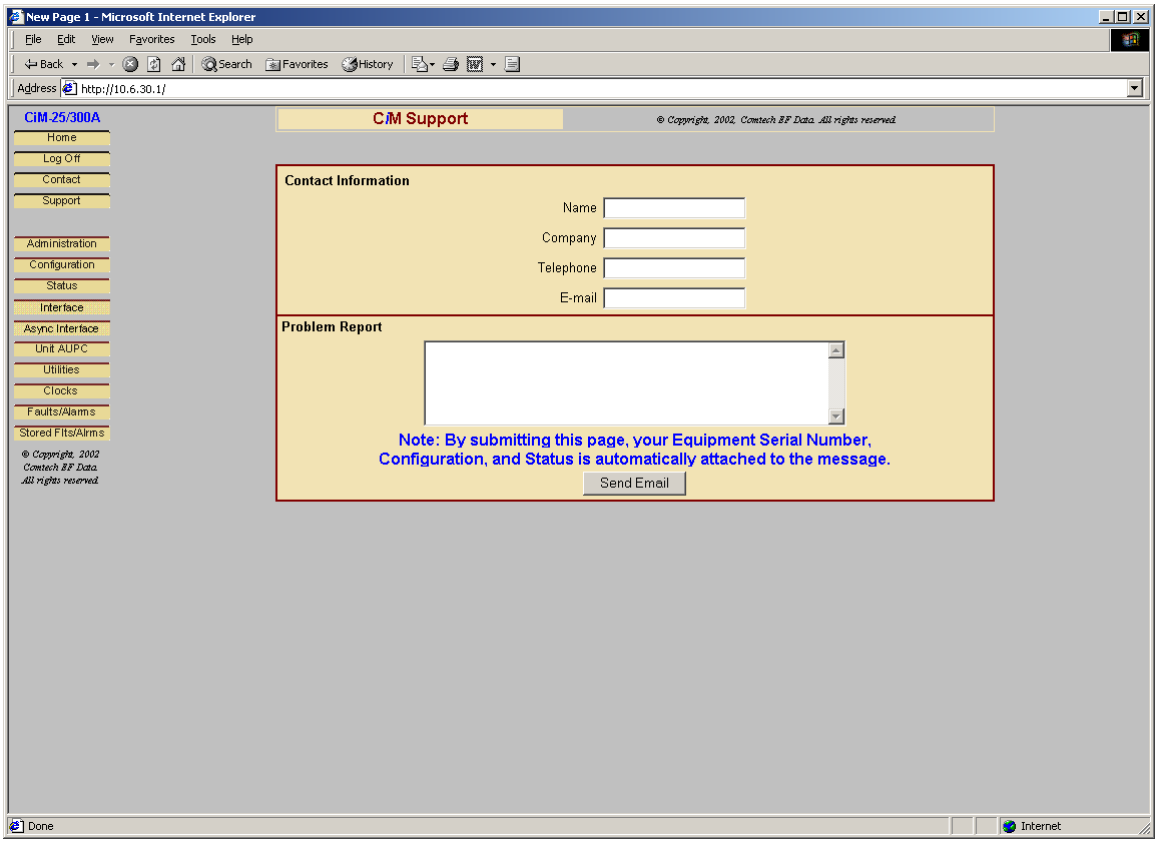


This page provides basic contact information to reach Comtech EF Data Sales and Customer Service via phone or automated e-mail links.

3.3.5 SUPPORT PAGE

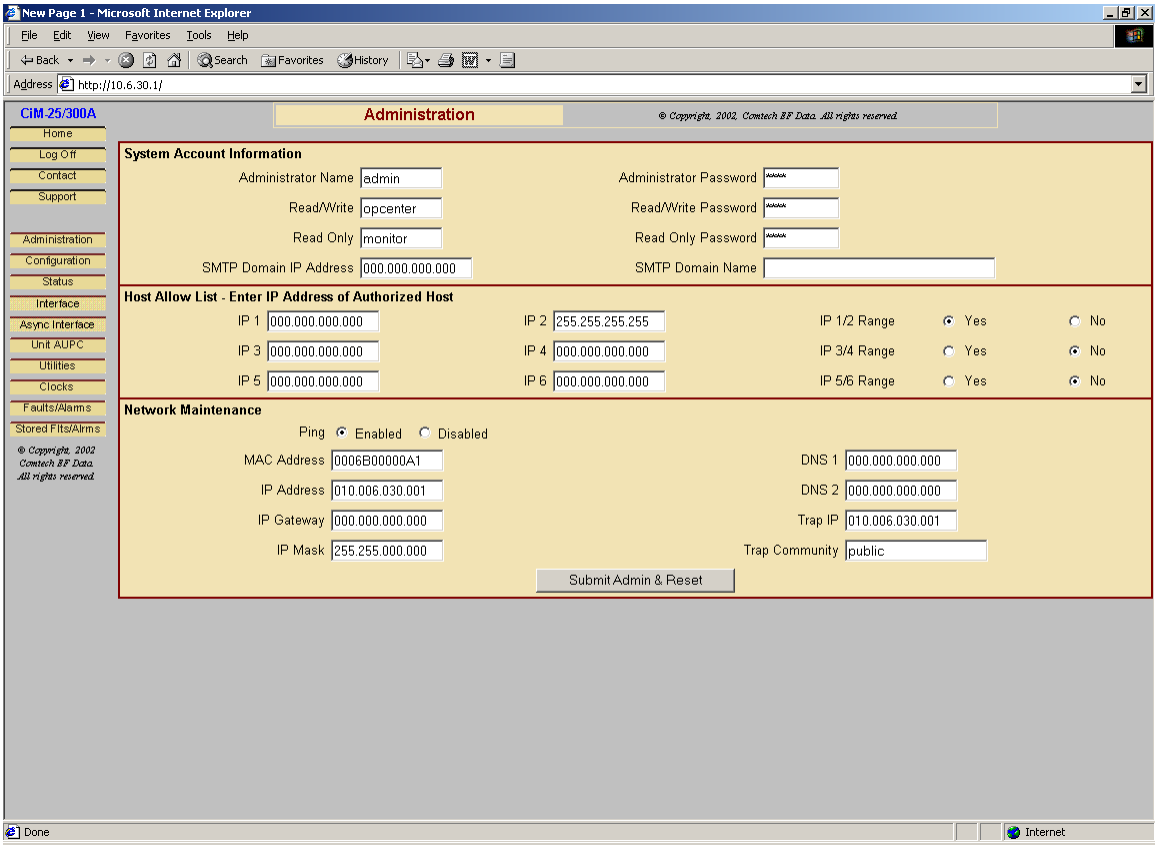
IMPORTANT

In order to use the Support functions, the user must first assign SMTP a domain name and IP address. Refer to 3.3.6.9, SMTP Domain Name and IP Address.



The Support page is accessible by ALL logged in users. This page allows the user to automatically E-mail Comtech EF Data's Customer Support center. The user MUST fill in the **Name**, **Company**, **E-mail Address**, and **Telephone** information boxes. In addition, the user must enter some description of the problem or question into the **Problem Report** field. The CiM-25 will automatically retrieve and attach pertinent information about the equipment (such as Equipment ID, Serial Number, Configuration, and Status) to the E-mail message. This will allow Comtech EF Data Customer Support personal to provide faster and more accurate responses to customer needs.

3.3.6 ADMINISTRATION PAGE



The Administration Page is only available to users who have logged in using the Administrator Name and Password.

3.3.6.1 ADMINISTRATOR NAME AND PASSWORD

The factory defaults for these parameters are **admin** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

3.3.6.2 READ/WRITE NAME AND PASSWORD

The factory defaults for these parameters are **opcenter** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

3.3.6.3 READ ONLY NAME AND PASSWORD

The factory defaults for these parameters are **monitor** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

3.3.6.4 HOST ALLOW LIST

The Host Allow List can be configured as any of the following combinations:

- 1 to 6 individual IP addresses.
- 1 to 3 ranges of IP addresses.
- A combination of individual and range addresses.

The Administrator simply checks the **Range Yes** radio button next to the group of two IP addresses that constitute the beginning and ending of the range.

3.3.6.5 PING ENABLE / DISABLE

The factory defaults for this parameter is **Enabled**. The radio buttons allow the Administrator to choose between **Enabled** and **Disabled**.

3.3.6.6 CiM-25 IP ADDRESS, GATEWAY AND MASK

The factory defaults for these parameters are **10.6.30.1**, **0.0.0.0**, and **255.255.0.0** respectively. The Administrator can change these as required.

3.3.6.7 MAC ADDRESS

This is a READ ONLY parameter and can not be changed.

3.3.6.8 DNS SERVERS

The Administrator can assign both a primary and secondary DNS server IP address.

3.3.6.9 SMTP DOMAIN NAME AND IP ADDRESS

The Administrator can assign the SMTP Domain Name and Domain IP Address. This is required if the E-mail feature of the Support Page is to be used.

3.3.6.10 SNMP TRAP IP ADDRESS

The Administrator can assign a SNMP Trap IP address.

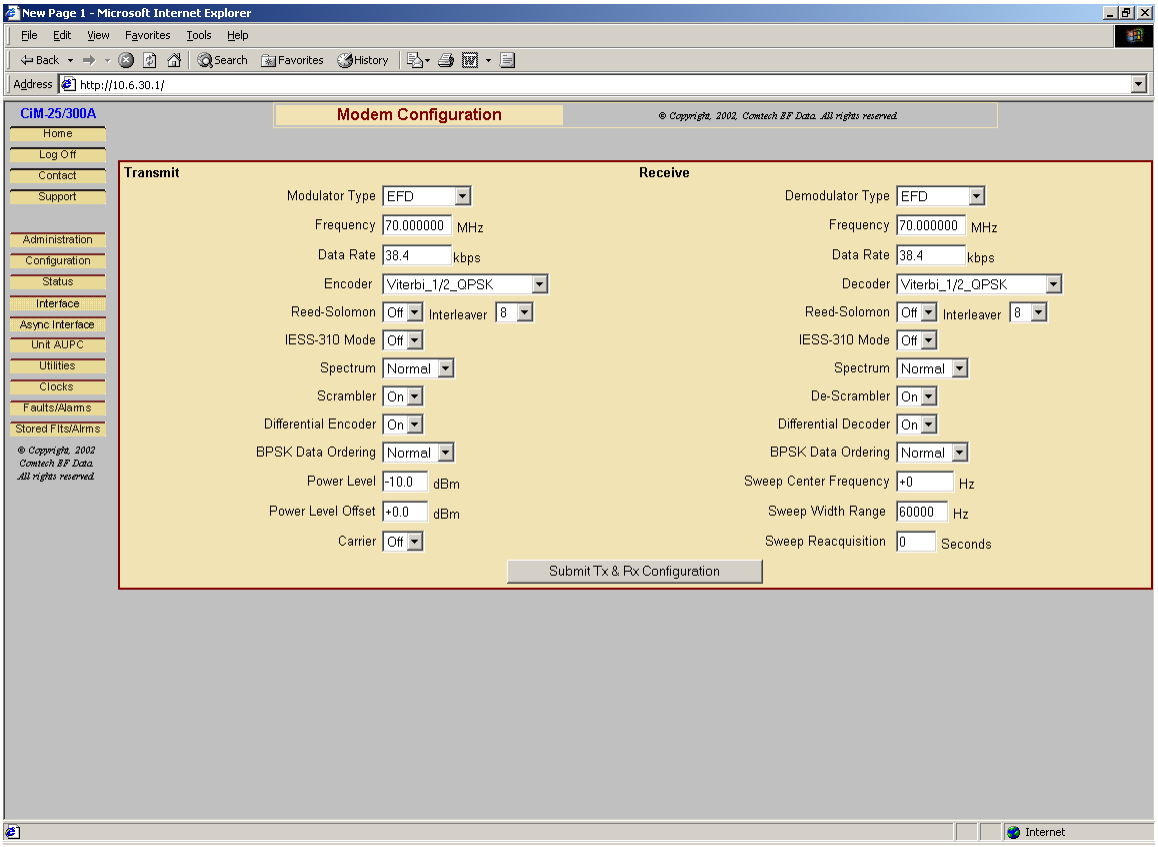
3.3.6.11 SNMP TRAP COMMUNITY NAME

The Administrator can assign a SNMP Trap Community name.

3.3.6.12 SNMP TRAP COMMUNITY STRING

The factory default for this parameter is public. The Administrator can assign a SNMP Trap Community. The SNMP Trap Community field can be any combination of characters and a length of 0 - 20 characters.

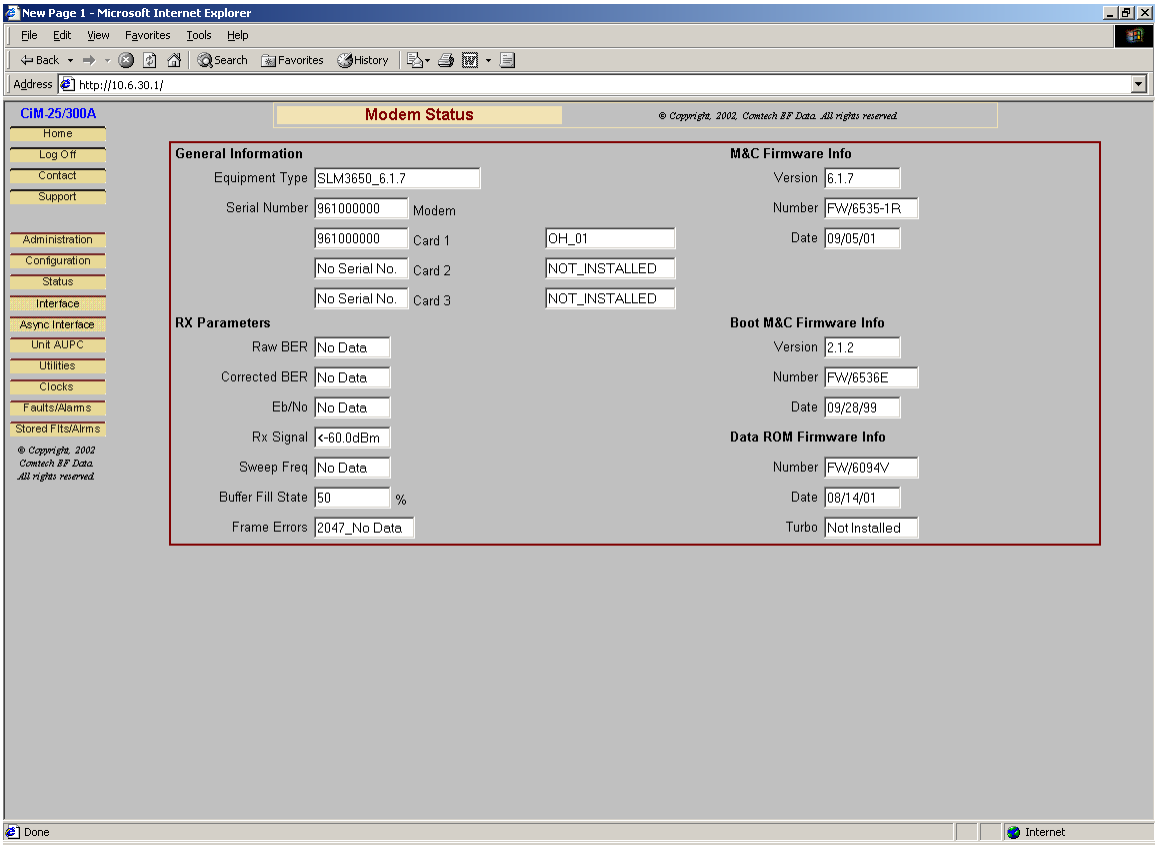
3.3.7 MODEM CONFIGURATION PAGE (RX/TX)



This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the primary Transmit and Receive Parameters of a SDM-300A or SLM-3650 Modem.

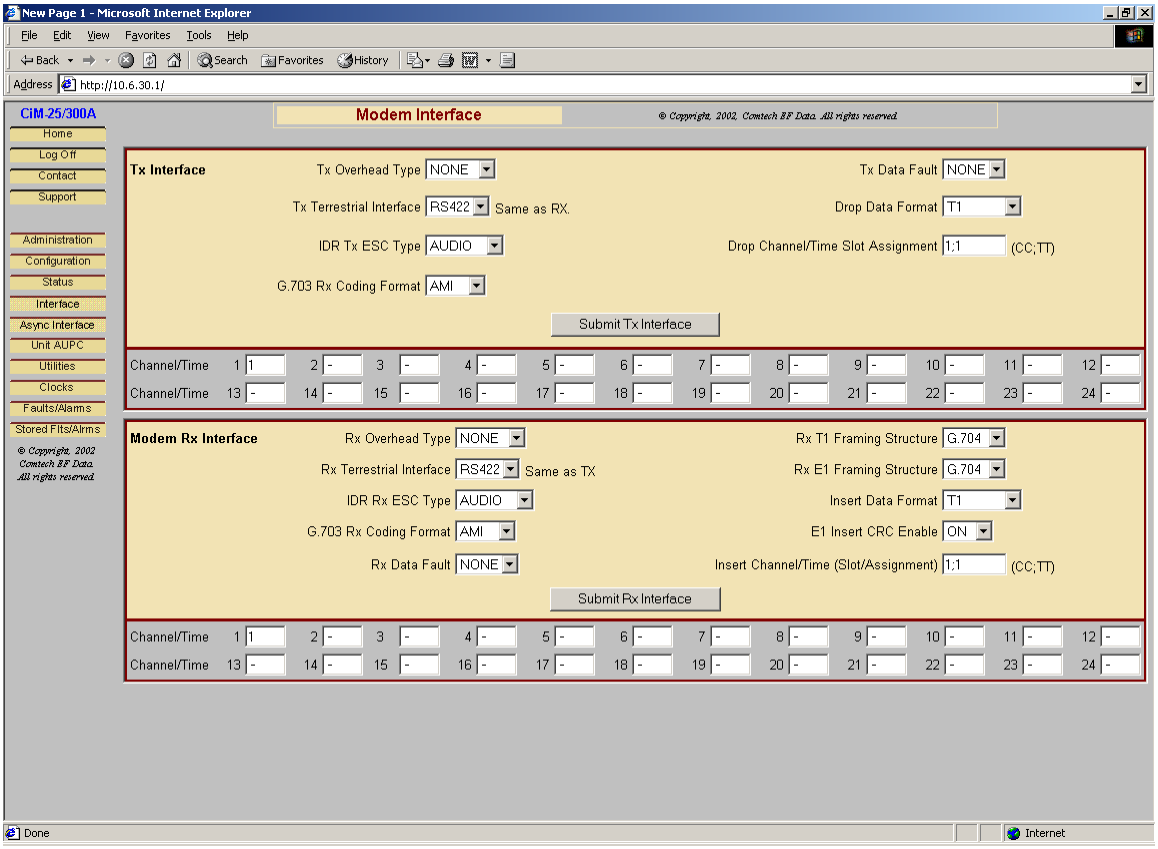
Note: The Data Rate and Encoder/Decoder fields may display incorrectly until the Variable Rate Selection is chosen on the modem front panel or the Configuration page is submitted.

3.3.8 STATUS PAGE



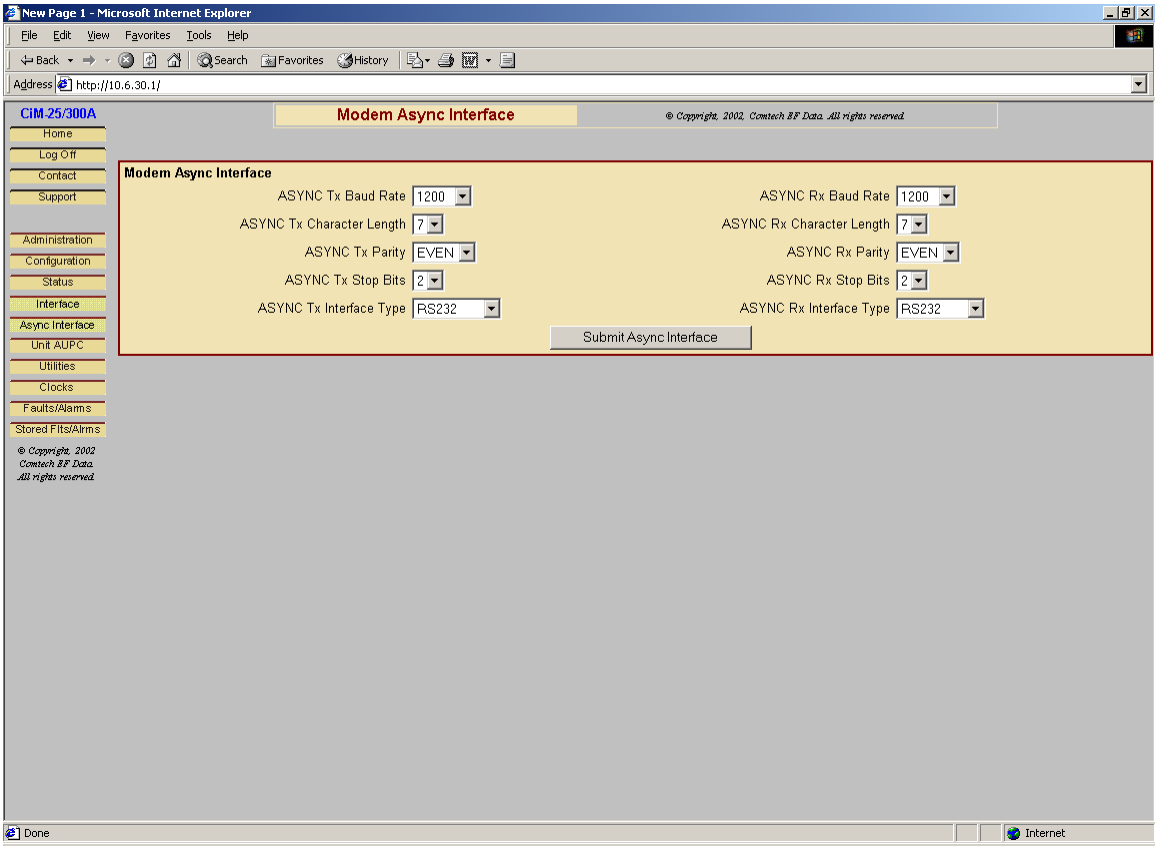
This page can be viewed by all three levels of user login. This is a Read Only Page and has no submit button. This page provides various status information for a SDM-300A or SLM-3650 Modem.

3.3.9 INTERFACE PARAMETERS PAGE (TX/RX)



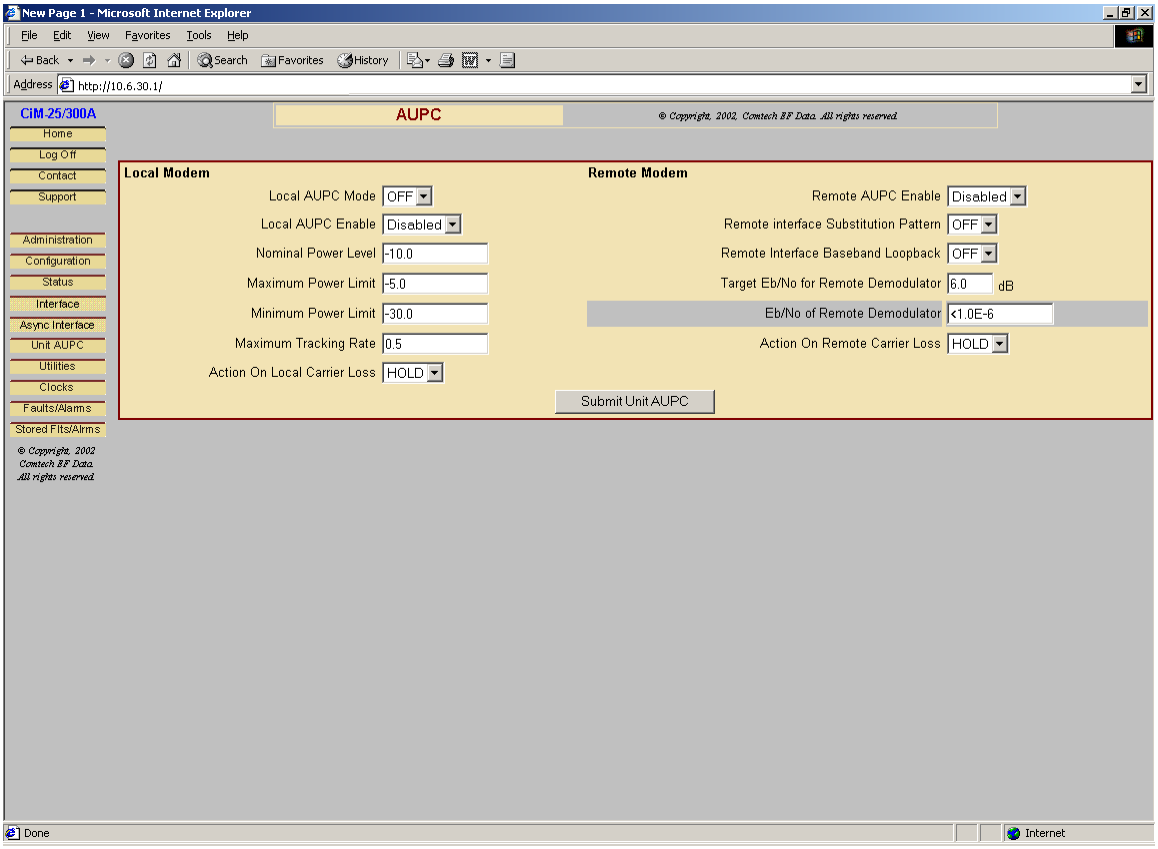
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the Transmit and Receive Interface Parameters of a SDM-300A or SLM-3650 Modem.

3.3.10 ASYNCHRONOUS INTEFACE PAGE



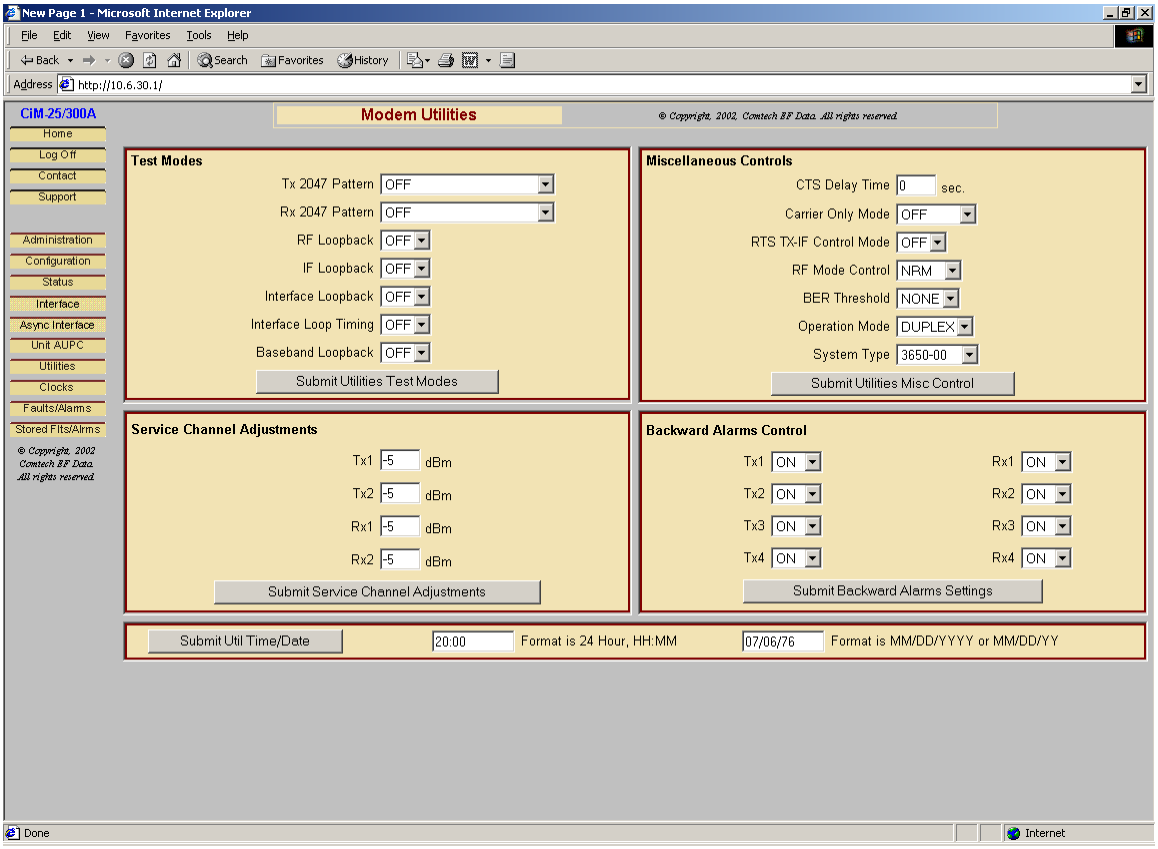
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the Aschronous Interface Parameters of a SDM-300A or SLM-3650 Modem.

3.3.11 AUPC PAGE



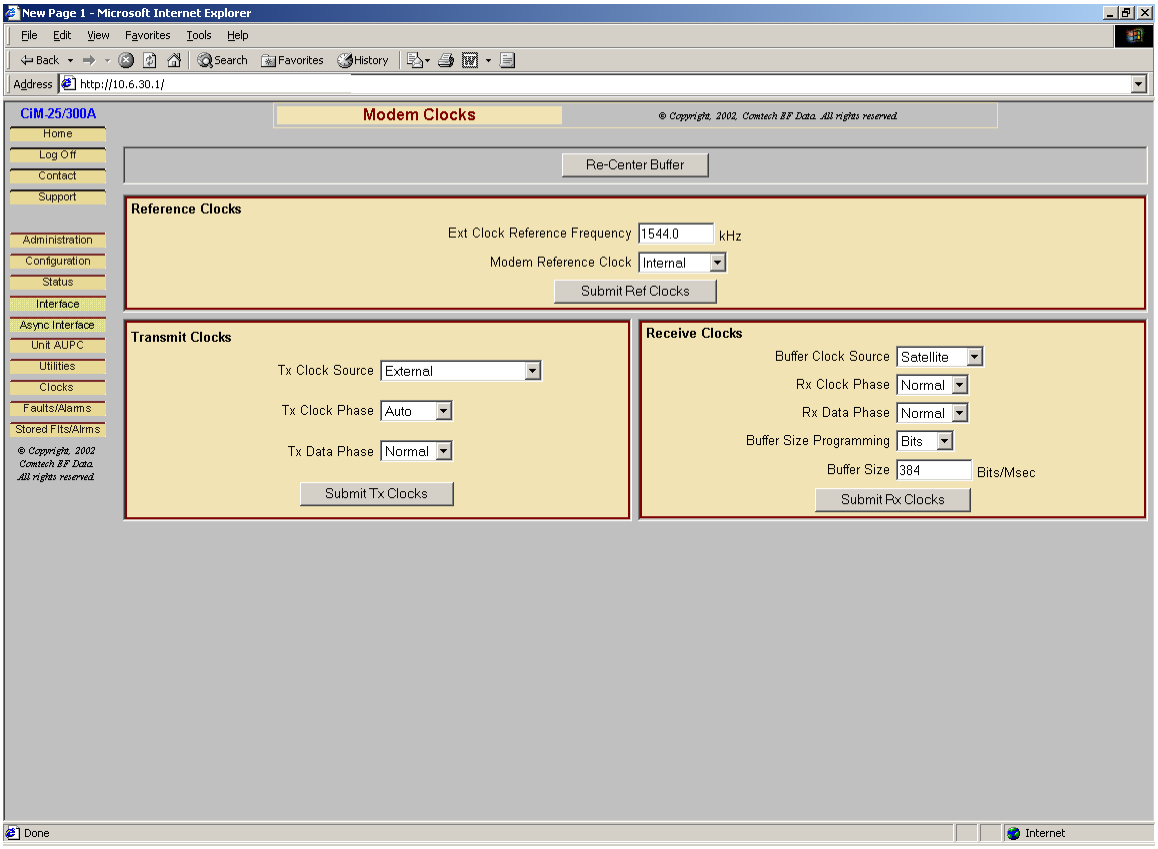
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the Automatic Uplink power Control (AUPC) Parameters of a SDM-300A or SLM-3650 Modem.

3.3.12 UTILITIES PAGE



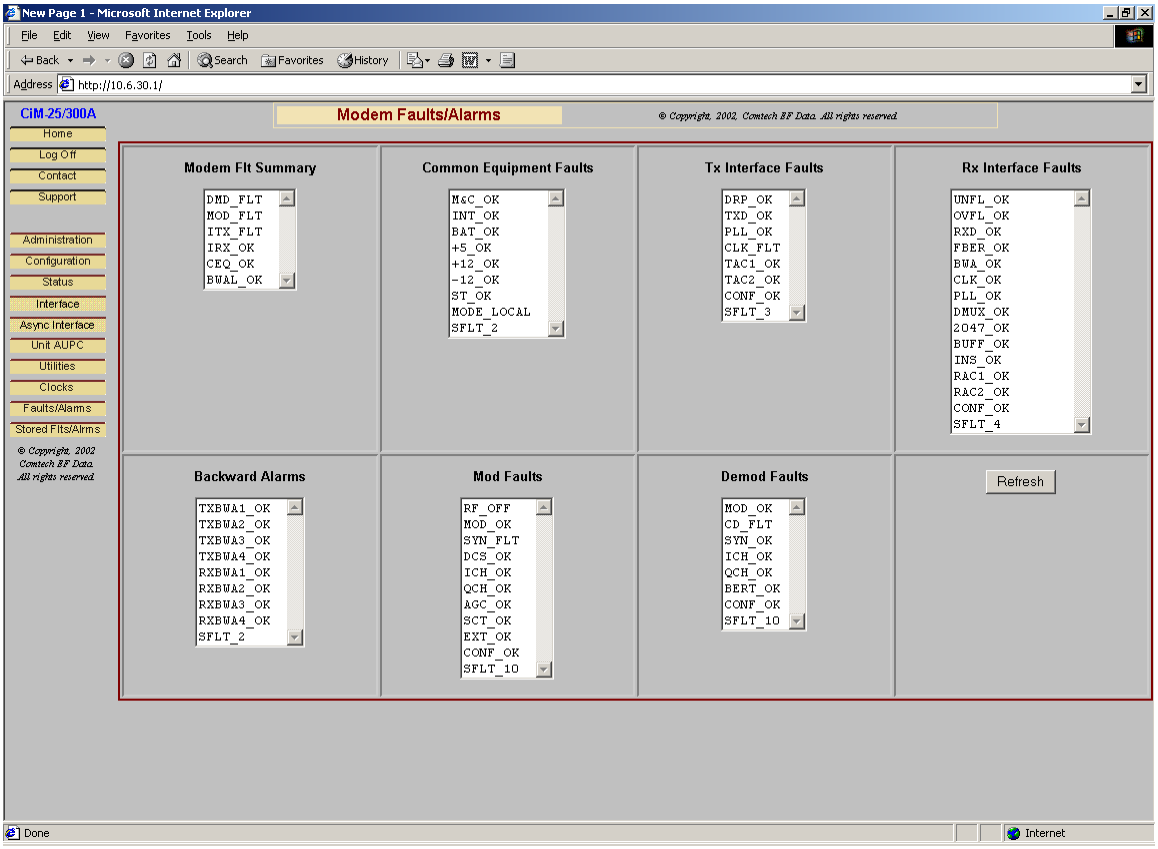
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure various utility functions on a SDM-300A or SLM-3650 Modem.

3.3.13 MODEM CLOCKS PAGE



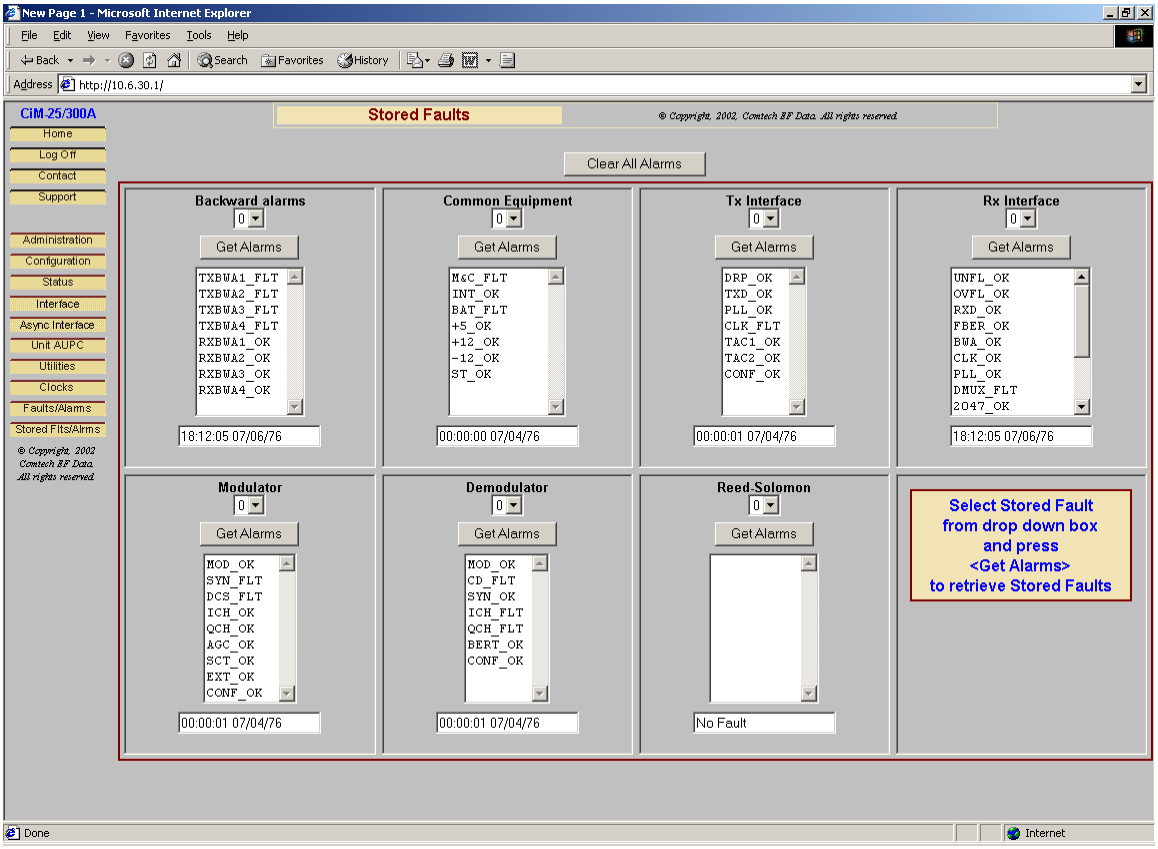
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure various clock functions of the SDM-300A or SLM-3650 Modem.

3.3.14 FAULTS/ALARMS PAGE



This page can be viewed by all three levels of user login. This is a read-only page and has a Refresh button for convenience. Tis page allows the user to view current Faults and Alarms of the SDM-300A or SLM-3650 modem.

3.3.15 STORED FAULTS/ALARMS PAGE



This page can be viewed by all three levels of user login. This is a read/write page. This page allows the user to the Events Log, Statistics Log, and configure Alarm Masks of the SDM-300A or SLM-3650 Modem. Select the desired Stored Alarm and click the **Get Alarm** button to retrieve it.

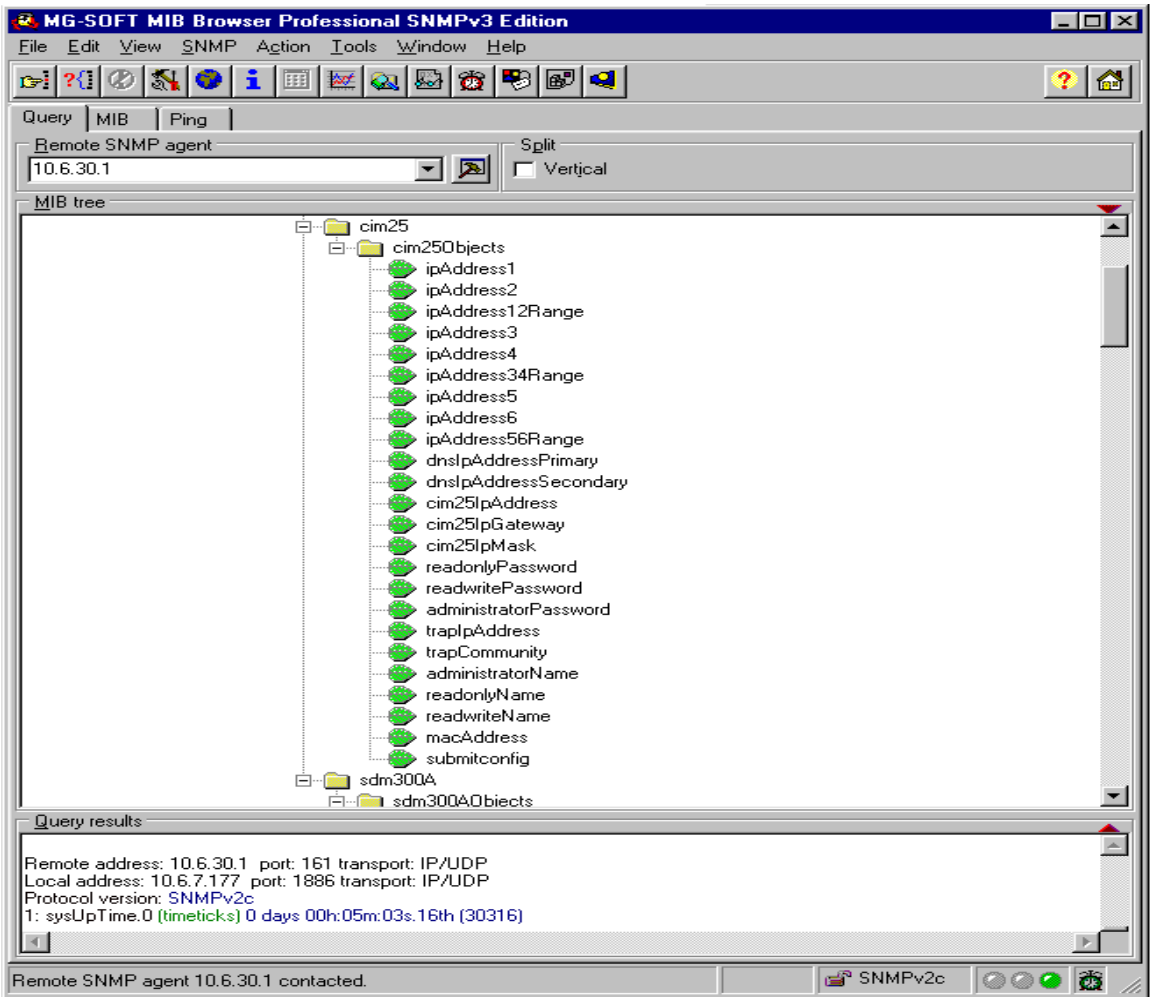
3.4 SNMP INTERFACE

The CiM-25 supports v2c version of the industry standard SNMP (Simple Network Management Protocol). The CiM-25 supports a complete private MIB for the attached equipment as well as a private MIB for the CiM-25 itself. The SNMP interface supports standard **Get** and **Set** as well as **Branch Walking**.

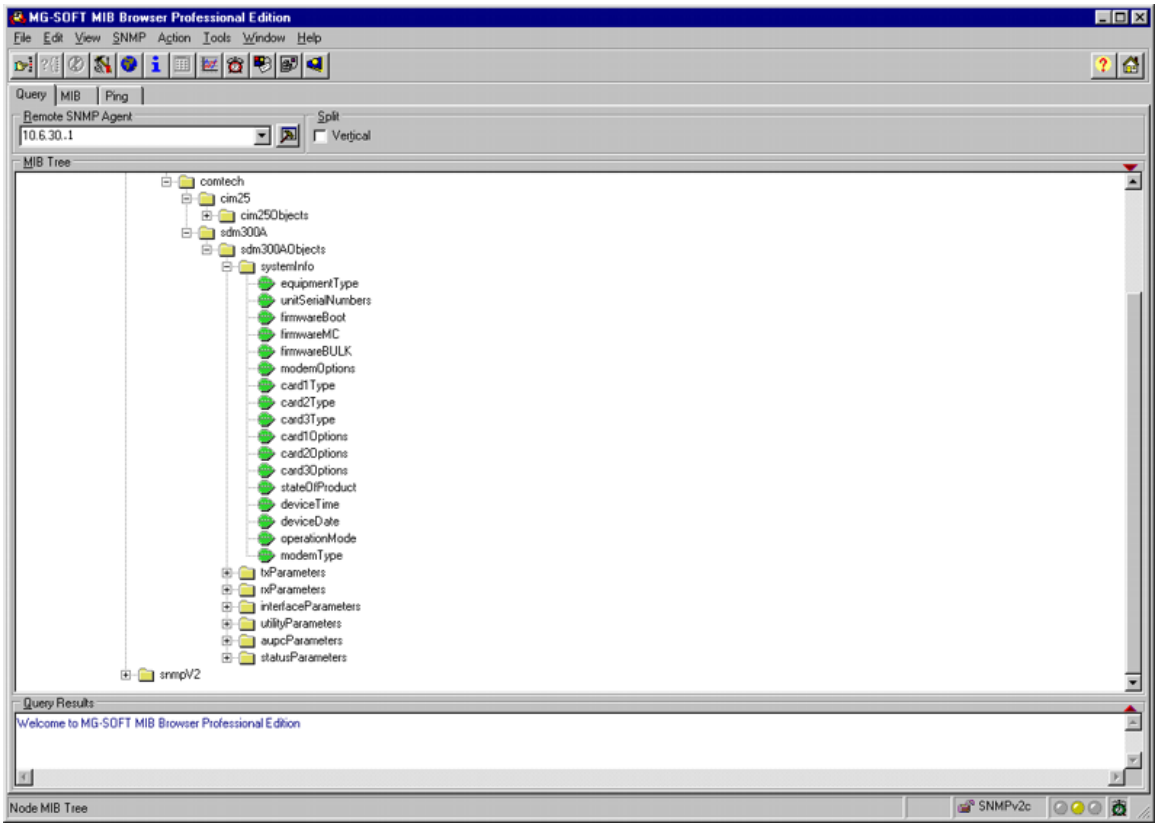
IMPORTANT

The SNMP interface uses all three (3) levels of user login utilizing the SNMP v2c (community string) method of security. The community string is the concatenation of the name and password, i.e. **admin1234**, default admin community string.

The image in below is a screen dump of the top end of the CiM-25/300A MIB structure using a common MIB Browser. The important point here is that all administrative parameters of the CiM-25 are available in its private MIB.



The image below is a screen dump of the SDM-300A/SLM-3650 MIB using a common MIB Browser. The important point here is that all SDM-300A or SLM-3650 Controllable Parameters and Status Parameters, Events, and Statistics Log are available via the CiM-25 and its private SDM-300A/SLM-3650 MIB.

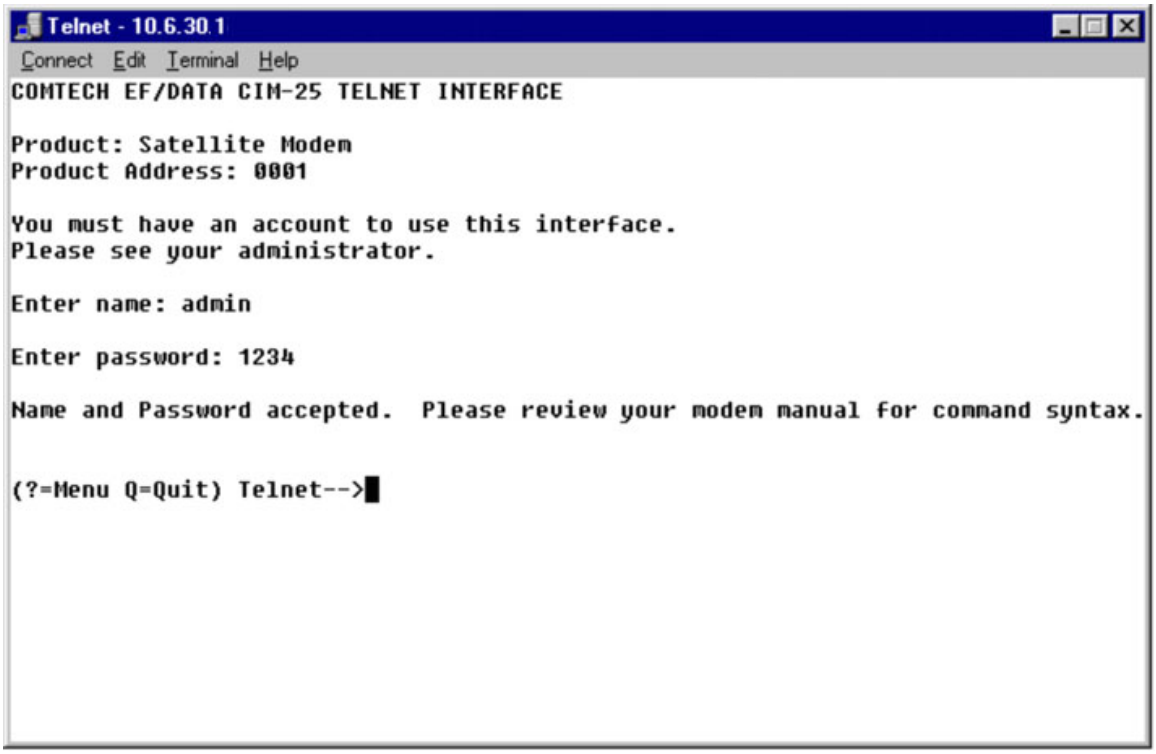


3.5 TELNET INTERFACE

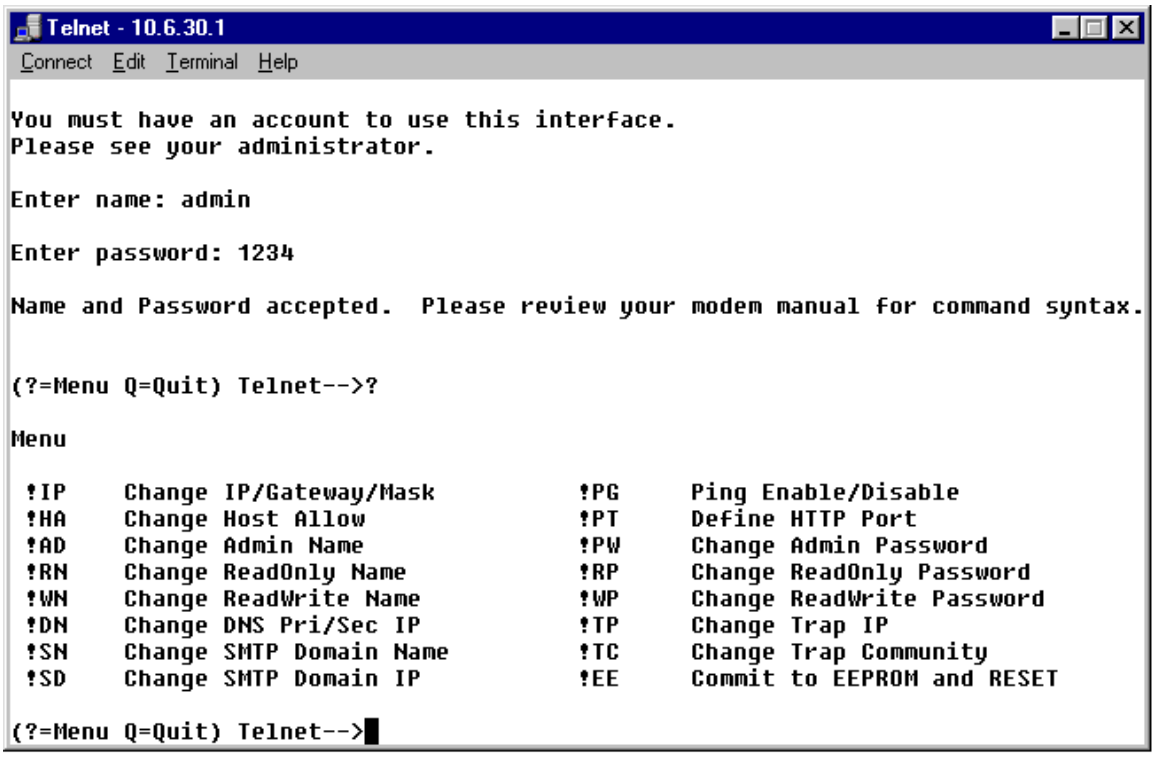
The CiM-25 provides a Telnet interface for three primary functions:

- System Administration.
- Equipment M&C via the standard equipment Remote Control protocol.
- Equipment M&C via Comtech EF Data PC based Monitor and Control applications.

The Telnet interface uses two (2) levels of user login, **Administrator** and **Read/Write**. The screen dump below shows the login process.



Once logged into the C*i*M-25 Telnet interface as the Administrator the user can use the built in menu function by typing a **?** (question mark). This menu is only available to the Administrator. The screen dump below shows the functions available via this menu system. Entering any command without any data parameters will cause the CiM-25 to respond with a message that provides the proper formatting requirements for the individual command. Entering any command with a **?** (question mark) as the parameter will cause the CiM-25 to respond with the current **Set** value. Each command will be explained in the following section.



3.5.1 TELNET ADMINISTRATIVE FUNCTIONS

3.5.1.1 CHANGE IP ADDRESS, GATEWAY AND MASK

Using the **!IP** command, the Administrator can change the IP Address, IP Gateway, and IP Mask. The command protocol for this command is as follows:

Format: **!IP <ip> <gateway> <mask>**

Example: **!IP 10.6.30.2 10.6.30.255 255.255.0.0**

Query Format: **!IP ?**
Response: **!IP 10.6.30.2 10.6.30.255 255.255.0.0**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the C*i*M-25.

3.5.1.2 CHANGE HOST ALLOW LIST

Using the **!HA** command, the Administrator can modify the Host Allow List. The command protocol for this command is as follows:

Format: **!HA <address index> <ip_address> <ranged>**
Where: address index is 1 to 6, ranged is 0 if No and 1 if yes

Example: **!HA 5 10.50.91.200 0**
This sets IP address #5 to 10.50.91.200 and indicates addresses #5 & #6 are NOT ranged.

Query Format: **!HA ?**
Response:

IP 1: 000.000.000.000	**IP 2: 255.255.255.255**	**Range = yes**
IP 3: 000.000.000.000	**IP 4: 000.000.000.000**	**Range = no**
IP 5: 000.000.000.000	**IP 6: 000.000.000.000**	**Range = no**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the C*i*M-25.

3.5.1.3 CHANGE ADMINISTRATOR NAME

Using the **!AD** command, the Administrator can change the Administrator login Name. The command protocol for this command is as follows:

Format: **!AD <string>**
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!AD ?**
Response: **!AD <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.4 CHANGE ADMINISTRATOR PASSWORD

Using the **!PW** command, the Administrator can change the Administrator login Password. The command protocol for this command is as follows:

Format: **!PW <string>**
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!PW ?**
Response: **!PW <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.5 CHANGE READ/WRITE NAME

Using the **!WN** command, the Administrator can change the Read/Write login Name. The command protocol for this command is as follows:

Format: **!WN <string>**
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!WN ?**
Response: **!WN <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.6 CHANGE READ/WRITE PASSWORD

Using the **!WP** command, the Administrator can change the Read/Write login Password. The command protocol for this command is as follows:

Format: **!WP <string>**
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!WP ?**
Response: **!WP <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.7 CHANGE READ ONLY NAME

Using the **!RN** command, the Administrator can change the Read Only login Name. The command protocol for this command is as follows:

Format: **!RN <string>**
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!RN ?**
Response: **!RN <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.8 CHANGE READ ONLY PASSWORD

Using the **!RP** command, the Administrator can change the Read/Only login Password. The command protocol for this command is as follows:

Format: **!RP <string>**
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!RP ?**
Response: **!RP <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.9 ENABLE OR DISABLE PING

Using the **!PG** command, the Administrator can either enable or disable PING. The command protocol for this command is as follows:

Format: **!PG <state>**
Where: 0 = Disabled, 1 = Enabled

Query Format: **!PG ?**
Response: **!PG <state>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.10 COMMIT CHANGES TO EEPROM

Using the **!EE** command, the Administrator can commit any previously commanded changes to EEPROM. This will store the new operating parameters and automatically do a warm reboot of the C*i*M-25/300A. The command protocol for this command is as follows:

Format: **!EE**

3.5.1.11 CHANGE PRIMARY/SECONDARY DNS IP ADDRESSES

Using the **!DN** command, the Administrator can set the primary and secondary DNS IP Addresses. The command protocol for this command is as follows:

Format: **!DN <primary DNS IP Address> <secondary DNS IP Address>**
Response: Command Successful

Query Format: **!DN ?**
Response: **!DN <primary DNS IP Address> <secondary DNS IP Address>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.12 CHANGE SMTP DOMAIN NAME

Using the **!SN** command, the Administrator can set the SMTP domain name. The command protocol for this command is as follows:

Format: **!SN <string>**
Response: **Command Successful**
Where: <string> can be any alphanumeric string with a length of 1 to 100 characters.

Note: **disabled** in the <string> field disables SMTP.

Query Format: **!SN ?**
Response: **!SN <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.13 CHANGE SMTP DOMAIN IP ADDRESS

Using the **!SD** command, the Administrator can set the SMTP Domain IP Address. The command protocol for this command is as follows:

Format: **!SD <ip_address>**
Response: **Command Successful**

Note: An IP Address of **0.0.0.0** disables SMTP.

Query Format: **!SD ?**
Response: **!SD <ip_address>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.14 CHANGE HTTP PORT

Using the **!PT** command, the Administrator can set the HTTP Port. The command protocol for this command is as follows:

Format: **!PT <value>**
Response: **Command Successful**
Where <value> can be any number in the range of 0 to 65535

Query Format: **!PT ?**
Response: **!PT <value>**

Notes:
1. The default port is set to 80.
2. Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.15 CHANGE SNMP TRAPIP ADDRESS

Using the **!TP** command, the Administrator can set the SNMP Trap IP Address. The command protocol for this command is as follows:

Format: **!TP <ip_address>**
Response: **Command Successful**

Note: An IP Address of **0.0.0.0** disables the trap

Query Format: **!TP ?**
Response: **!TP <ip_address>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.1.16 CHANGE SNMP TRAP COMMUNITY

Using the **!TC** command, the Administrator can set the SNMP Trap Community. The command protocol for this command is as follows:

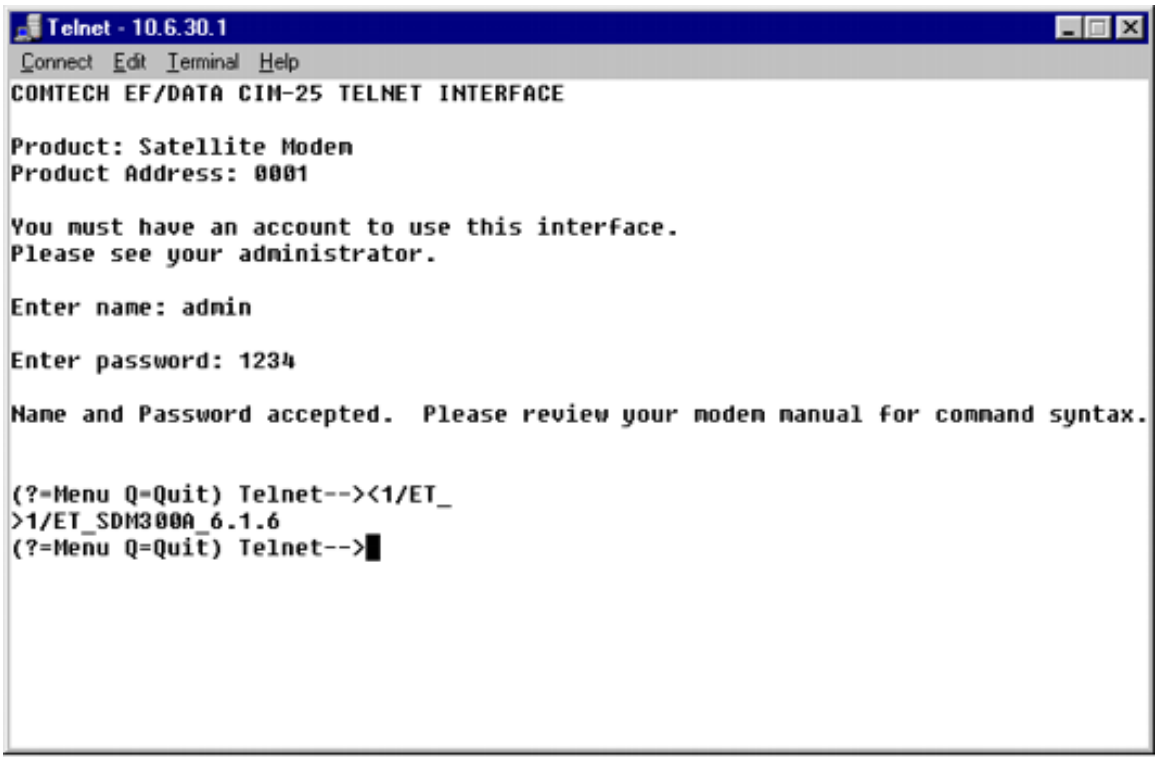
Format: **!TC <string>**
Response: **Command Successful**
where <string> can be 0 - 20 characters

Query Format: **!TC ?**
Response: **!TC <string>**

Note: Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

3.5.2 USING TELNET WITH EQUIPMENT REMOTE CONTROL PROTOCOL

The CiM-25/300A Telnet interface will accept any command defined in the particular interfacing equipments Remote Control Specification. See the equipments Operation Manual for details regarding the available commands and the message protocol. The screen dump below show an example of how to directly use the equipments Remote Control Protocol to communicate to the equipment via the Telnet interface.



3.6 MAINTENANCE INTERFACE

The default network configuration settings are:

- IP: **10.6.30.1**
- Admin Name: **admin**
- Admin Password: **1234**

The CiM-25 has been designed to support a means of allowing a customer to reset the unit back to the factory default settings, change the IP Address, and verify the software version. Use the following procedure to prepare for for making these changes.

Perform the following steps:

1 Disconnect the CiM-25 from both the interfacing equipment and the Ethernet Network.

2 Connect the CiM-25 to the serial port of a PC using a cable defined below (null cable):

CiM-25 pin 2 to PC pin 3
CiM-25 pin 3 to PC pin 2
CiM-25 pin 5 to PC pin 5

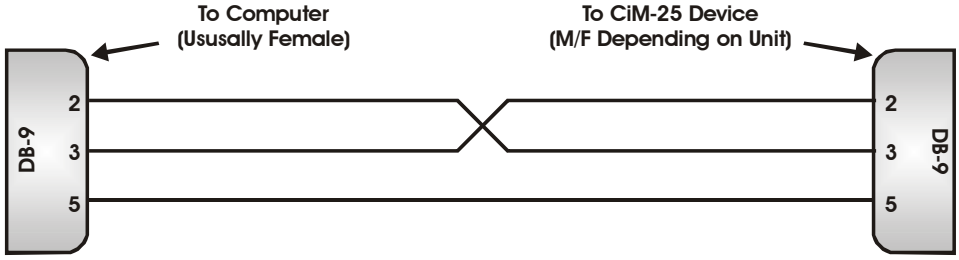


Figure 1. Null Cable Diagram

3 Power the CiM-25 using the Power Jack connector and a external 5 Vdc power supply.

4 Using a Serial Communication application such as Terminal, ProComm, etc., configure the PC's serial port to:

Baud: **19200**
Data rate: **8-N-1**

Use the procedures in following sections to:

- Reset to factory network defaults.
- Change network IP Address
- Verify software version.
- Change MAC Address
- Change Serial Number

3.6.1 RESETTING TO FACTORY DEFAULTS

Perform the following:

1 Enter the following command:

Command: **<0/RST='cr'**

Response: **>0/RST=**

3.6.2 CHANGING NETWORK IP ADDRESS

Perform the following:

1 Enter the following command:

Command: **<0/IPA=xxx.xxx.xxx.xxx/yy'cr'**

Where x is the IP Address and y is the subnet mask.

Response: **>0/IPA=**

Example: **<0/IPA=192.168.001.002/16'cr'**

16 would be a subnet mask of 255.255.0.0

2 To query the IP address enter: **<0/IPA?'cr'**

3.6.3 VERIFYING SOFTWARE VERSION

Perform the following:

1 Enter the following command:

Command: **<0/SWR?'cr'**

Response: **>0/SWR= 1.0.1'cr'**

3.6.4 CHANGING MAC ADDRESS

Perform the following:

1 Enter the following command:

Command: **<0/MAC=xxxxxxxxx'cr'**

Where x is the MAC Address as shown on the label of the CiM-25.

Response: **>0/MAC=**

Example: **>0/MAC=006B0000000A'cr'**

2 To query the MAC Address enter: **>0/MAC?'cr'**

IMPORTANT

1. **The MAC Address is unique to this unit. Change only under the factory direction or if it does not match the label.**
2. **Changing the MAC Address to anything other than the factory default, may result in erratic operation.**

3.6.5 CHANGING SERIAL NUMBER

Perform the following:

1 Enter the following command:

Command: **<0/SNM=xxxxxxxxx'cr'**

Where x is the Serial Number as shown on the label of the CiM-25.

Response: **>0/SNM=**

Example: **>0/SNM=022080125A'cr'**

2 To query the Serial Number enter: **>0/SNM?'cr'**

The Serial Number is unique to this unit. Change only under the factory direction or if it does not match the label.

NOTES

Appendix A.
CiM-25/300A SNMP Interface

SNMP Interface 43
MIB-II 43
Private MIB Implementations 43
CiM-25 MIB Tree 44
CiM-25 MIB 46
SDM-300A/SLM-3650 MIB Tree 60
SDM-300A/SLM-3650 MIB 67

A.1 SNMP INTERFACE

The *Simple Network Management Protocol* (SNMP) is an application-layer protocol designed to facilitate the exchange of management information between network devices. The CiM-25/300A SNMP agent supports both SNMPv1 and v2c.

A.2 MIB-II

The CiM-25/300A agent implements RFC 1213, Management Information Base for Network Management of TCP/IP-based Internets. This is known as “MIB-II support”. Please refer to RFC 1213 for this definition.

A.3 PRIVATE MIB IMPLEMENTATIONS

The agent also implements two private MIBs for the CiM-25/300A. The CiM IP Controller MIB (cim25) holds all the security, feature selection, and IP related parameters and the SDM-300A modem MIB which contains all the modem specific parameters.

A.4 CiM-25 MIB TREE

1 - 1 --- iso

2 - 1.3 --- org

3 - 1.3.6 --- dod

4 - 1.3.6.1 --- internet

5 - 1.3.6.1.4 --- private

6 - 1.3.6.1.4.1 --- enterprises

7 - 1.3.6.1.4.1.6247 --- comtech

8 - 1.3.6.1.4.1.6247.3 --- cim25

9 - 1.3.6.1.4.1.6247.3.1 --- cim25Objects

10 - 1.3.6.1.4.1.6247.3.1.1 --- ipAddress1 (IpAddress)

11 - 1.3.6.1.4.1.6247.3.1.2 --- ipAddress2 (IpAddress)

12 - 1.3.6.1.4.1.6247.3.1.3 --- ipAddress12Range (INTEGER)

13 - 1.3.6.1.4.1.6247.3.1.4 --- ipAddress3 (IpAddress)

14 - 1.3.6.1.4.1.6247.3.1.5 --- ipAddress4 (IpAddress)

15 - 1.3.6.1.4.1.6247.3.1.6 --- ipAddress34Range (INTEGER)

16 - 1.3.6.1.4.1.6247.3.1.7 --- ipAddress5 (IpAddress)

17 - 1.3.6.1.4.1.6247.3.1.8 --- ipAddress6 (IpAddress)

18 - 1.3.6.1.4.1.6247.3.1.9 --- ipAddress56Range (INTEGER)

19 - 1.3.6.1.4.1.6247.3.1.10 --- dnsIpAddressPrimary (IpAddress)

20 - 1.3.6.1.4.1.6247.3.1.11 --- dnsIpAddressSecondary (IpAddress)

21 - 1.3.6.1.4.1.6247.3.1.12 --- cim25IpAddress (IpAddress)

22 - 1.3.6.1.4.1.6247.3.1.13 --- cim25IpGateway (IpAddress)

23 - 1.3.6.1.4.1.6247.3.1.14 --- cim25IpMask (IpAddress)

24 - 1.3.6.1.4.1.6247.3.1.15 --- readonlyPassword (OCTET STRING)

25 - 1.3.6.1.4.1.6247.3.1.16 --- readwritePassword (OCTET STRING)

26 - 1.3.6.1.4.1.6247.3.1.17 --- administratorPassword (OCTET STRING)

27 - 1.3.6.1.4.1.6247.3.1.18 --- trapIpAddress (IpAddress)

28 - 1.3.6.1.4.1.6247.3.1.19 --- trapCommunity (OCTET STRING)

29 - 1.3.6.1.4.1.6247.3.1.20 --- administratorName (OCTET STRING)

30 - 1.3.6.1.4.1.6247.3.1.21 --- readonlyName (OCTET STRING)

31 - 1.3.6.1.4.1.6247.3.1.22 --- readwriteName (OCTET STRING)

32 - 1.3.6.1.4.1.6247.3.1.23 --- macAddress (OCTET STRING)

33 - 1.3.6.1.4.1.6247.3.1.24 --- submitconfig (INTEGER)

A.5 CiM-25 MIB

A.5.1 ISO

Name	iso
OID	1
Full path	iso(1)
Module	SNMPv2-SMI
Child	org
Type	OBJECT-IDENTIFIER

A.5.2 ORG

Name	org
OID	1.3
Full path	iso(1).org(3)
Module	SNMPv2-SMI
Parent	iso
Child	dod
Type	OBJECT-IDENTIFIER

A.5.3 DOD

Name	dod
OID	1.3.6
Full path	iso(1).org(3).dod(6)
Module	SNMPv2-SMI
Parent	org
Child	internet
Type	OBJECT-IDENTIFIER

A.5.4 INTERNET

Name	internet
OID	1.3.6.1
Full path	iso(1).org(3).dod(6).internet(1)
Module	SNMPv2-SMI
Parent	dod
Child	private
Type	OBJECT-IDENTIFIER

A.5.5 PRIVATE

Name	private
OID	1.3.6.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4)
Module	CIM25
Parent	internet
Child	enterprises
Type	OBJECT-IDENTIFIER

A.5.6 ENTERPRISES

Name	enterprises
OID	1.3.6.1.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1)
Module	CIM25
Parent	private
Child	comtech
Type	OBJECT-IDENTIFIER

A.5.7 COMTECH

Name	comtech
OID	1.3.6.1.4.1.6247
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247)
Module	CIM25
Parent	enterprises
Child	cim25
Type	OBJECT-IDENTIFIER

A.5.8 CIM25

Name	cim25
OID	1.3.6.1.4.1.6247.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3)
Module	CIM25
Parent	comtech
Child	cim25Objects
Type	OBJECT-IDENTIFIER

A.5.9 CIM25OBJECTS

Name	cim25Objects
OID	1.3.6.1.4.1.6247.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1)
Module	CIM25
Parent	cim25
Child	ipAddress1
Type	OBJECT-IDENTIFIER

A.5.10 IPADDRESS1

Name	ipAddress1
OID	1.3.6.1.4.1.6247.3.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress1(1)
Module	CIM25
Parent	cim25Objects
Next sibling	ipAddress2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 1 or IP Address 1 Start Range.

A.5.11 IPADDRESS2

Name	ipAddress2
OID	1.3.6.1.4.1.6247.3.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress2(2)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress1
Next sibling	ipAddress12Range
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 2 or IP Address 1 End Range.

A.5.12 IPADDRESS12RANGE

Name	ipAddress12Range
OID	1.3.6.1.4.1.6247.3.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress12Range(3)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress2
Next sibling	ipAddress3
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	no(0)
2	yes(1)
Description	Range or Individual for IP Address 1 and 2.

A.5.13 IPADDRESS3

Name	ipAddress3
OID	1.3.6.1.4.1.6247.3.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress3(4)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress12Range
Next sibling	ipAddress4
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 3 or IP Address 2 Start Range.

A.5.14 IPADDRESS4

Name	ipAddress4
OID	1.3.6.1.4.1.6247.3.1.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress4(5)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress3
Next sibling	ipAddress34Range
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 4 or IP Address 2 End Range.

A.5.15 IPADDRESS34RANGE

Name	ipAddress34Range
OID	1.3.6.1.4.1.6247.3.1.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress34Range(6)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress4
Next sibling	ipAddress5
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	no(0)
2	yes(1)
Description	Range or Individual for IP Address 3 and 4.

A.5.16 IPADDRESS5

Name	ipAddress5
OID	1.3.6.1.4.1.6247.3.1.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress5(7)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress34Range
Next sibling	ipAddress6
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 5 or IP Address 3 Start Range.

A.5.17 IPADDRESS6

Name	ipAddress6
OID	1.3.6.1.4.1.6247.3.1.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress6(8)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress5
Next sibling	ipAddress56Range
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	IP Address 6 or IP Address 3 End Range.

A.5.18 IPADDRESS56RANGE

Name	ipAddress56Range
OID	1.3.6.1.4.1.6247.3.1.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).ipAddress56Range(9)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress6
Next sibling	dnsIpAddressPrimary
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	no(0)
2	yes(1)
Description	Range or Individual for IP Address 5 and 6.

A.5.19 DNSIPADDRESSPRIMARY

Name	dnsIpAddressPrimary
OID	1.3.6.1.4.1.6247.3.1.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).dnsIpAddressPrimary(10)
Module	CIM25
Parent	cim25Objects
Prev sibling	ipAddress56Range
Next sibling	dnsIpAddressSecondary
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Primary DNS IP Address.

A.5.20 DNSIPADDRESSSECONDARY

Name	dnsIpAddressSecondary
OID	1.3.6.1.4.1.6247.3.1.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).dnsIpAddressSecondary(11)
Module	CIM25
Parent	cim25Objects
Prev sibling	dnsIpAddressPrimary
Next sibling	cim25IpAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Secondary DNS IP Address.

A.5.21 CIM25IPADDRESS

Name	cim25IpAddress
OID	1.3.6.1.4.1.6247.3.1.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).cim25IpAddress(12)
Module	CIM25
Parent	cim25Objects
Prev sibling	dnsIpAddressSecondary
Next sibling	cim25IpGateway
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	CiM 25 IP Address.

A.5.22 CIM25IPGATEWAY

Name	cim25IpGateway
OID	1.3.6.1.4.1.6247.3.1.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).cim25IpGateway(13)
Module	CIM25
Parent	cim25Objects
Prev sibling	cim25IpAddress
Next sibling	cim25IpMask
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	CiM 25 IP Gateway

A.5.23 CIM25IPMASK

Name	cim25IpMask
OID	1.3.6.1.4.1.6247.3.1.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).cim25IpMask(14)
Module	CIM25
Parent	cim25Objects
Prev sibling	cim25IpGateway
Next sibling	readonlyPassword
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	CiM25 IP Mask.

A.5.24 READONLYPASSWORD

Name	readonlyPassword
OID	1.3.6.1.4.1.6247.3.1.15
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).readonlyPassword(15)
Module	CIM25
Parent	cim25Objects
Prev sibling	cim25IpMask
Next sibling	readwritePassword
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4..10
Description	Read-Only Password.

A.5.25 READWRITEPASSWORD

Name	readwritePassword
OID	1.3.6.1.4.1.6247.3.1.16
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).readwritePassword(16)
Module	CIM25
Parent	cim25Objects
Prev sibling	readonlyPassword
Next sibling	administratorPassword
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4..10
Description	Read-Write Password.

A.5.26 ADMINISTRATORPASSWORD

Name	administratorPassword
OID	1.3.6.1.4.1.6247.3.1.17
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).administratorPassword(17)
Module	CIM25
Parent	cim25Objects
Prev sibling	readwritePassword
Next sibling	trapIpAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	4..10
Description	Administrator Password.

A.5.27 TRAPIPADDRESS

Name	trapIpAddress
OID	1.3.6.1.4.1.6247.3.1.18
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).trapIpAddress(18)
Module	CIM25
Parent	cim25Objects
Prev sibling	administratorPassword
Next sibling	trapCommunity
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_IPADDR
Base syntax	IpAddress
Composed syntax	IpAddress
Status	current
Max-access	read-write
Description	Trap IP Address.

A.5.28 TRAPCOMMUNITY

Name	trapCommunity
OID	1.3.6.1.4.1.6247.3.1.19
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).trapCommunity(19)
Module	CIM25
Parent	cim25Objects
Prev sibling	trapIpAddress
Next sibling	administratorName
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	0..20
Description	Trap Community.

A.5.29 ADMINISTRATORNAME

Name	administratorName
OID	1.3.6.1.4.1.6247.3.1.20
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).administratorName(20)
Module	CIM25
Parent	cim25Objects
Prev sibling	trapCommunity
Next sibling	readonlyName
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	5..10
Description	Administrator User Name.

A.5.30 READONLYNAME

Name	readonlyName
OID	1.3.6.1.4.1.6247.3.1.21
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).readonlyName(21)
Module	CIM25
Parent	cim25Objects
Prev sibling	administratorName
Next sibling	readwriteName
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	5..10
Description	Read-Only User Name.

A.5.31 READWRITENAME

Name	readwriteName
OID	1.3.6.1.4.1.6247.3.1.22
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).readwriteName(22)
Module	CIM25
Parent	cim25Objects
Prev sibling	readonlyName
Next sibling	macAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	5..10
Description	Read-Write User Name.

A.5.32 MACADDRESS

Name	macAddress
OID	1.3.6.1.4.1.6247.3.1.23
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).macAddress(23)
Module	CIM25
Parent	cim25Objects
Prev sibling	readwriteName
Next sibling	submitconfig
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	12
Description	MAC Address.

A.5.33 SUBMITCONFIG

Name	submitconfig
OID	1.3.6.1.4.1.6247.3.1.24
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) .cim25(3).cim25Objects(1).submitconfig(24)
Module	CIM25
Parent	cim25Objects
Prev sibling	macAddress
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	submit(1)
Description	Submit changes in CiM 25 Configuration

A.6 SDM-300A/SLM-3650 MIB TREE

1 - 1 --- iso

2 - 1.3 --- org

3 - 1.3.6 --- dod

4 - 1.3.6.1 --- internet

5 - 1.3.6.1.4 --- private

6 - 1.3.6.1.4.1 --- enterprises

7 - 1.3.6.1.4.1.6247 --- comtech

8 - 1.3.6.1.4.1.6247.13 --- sdm300A

9 - 1.3.6.1.4.1.6247.13.1 --- sdm300AObjects

10 - 1.3.6.1.4.1.6247.13.1.1 --- systemInfo

11 - 1.3.6.1.4.1.6247.13.1.1.1 --- equipmentType (OCTET STRING)

12 - 1.3.6.1.4.1.6247.13.1.1.2 --- unitSerialNumbers (OCTET STRING)

13 - 1.3.6.1.4.1.6247.13.1.1.3 --- firmwareBoot (OCTET STRING)

14 - 1.3.6.1.4.1.6247.13.1.1.4 --- firmwareMC (OCTET STRING)

15 - 1.3.6.1.4.1.6247.13.1.1.5 --- firmwareBULK (OCTET STRING)

16 - 1.3.6.1.4.1.6247.13.1.1.6 --- modemOptions (OCTET STRING)

17 - 1.3.6.1.4.1.6247.13.1.1.7 --- card1Type (OCTET STRING)

18 - 1.3.6.1.4.1.6247.13.1.1.8 --- card2Type (OCTET STRING)

19 - 1.3.6.1.4.1.6247.13.1.1.9 --- card3Type (OCTET STRING)

20 - 1.3.6.1.4.1.6247.13.1.1.10 --- card1Options (OCTET STRING)

21 - 1.3.6.1.4.1.6247.13.1.1.11 --- card2Options (OCTET STRING)

22 - 1.3.6.1.4.1.6247.13.1.1.12 --- card3Options (OCTET STRING)

23 - 1.3.6.1.4.1.6247.13.1.1.13 --- stateOfProduct (OCTET STRING)

24 - 1.3.6.1.4.1.6247.13.1.1.14 --- deviceTime (OCTET STRING)

25 - 1.3.6.1.4.1.6247.13.1.1.15 --- deviceDate (OCTET STRING)

26 - 1.3.6.1.4.1.6247.13.1.1.16 --- operationMode (INTEGER)

27 - 1.3.6.1.4.1.6247.13.1.1.17 --- modemType (INTEGER)

28 - 1.3.6.1.4.1.6247.13.1.2 --- txParameters

29 - 1.3.6.1.4.1.6247.13.1.2.1 --- txFrequency (INTEGER)

30 - 1.3.6.1.4.1.6247.13.1.2.2 --- txModulatorType (INTEGER)

31 - 1.3.6.1.4.1.6247.13.1.2.3 --- txRateSelect (OCTET STRING)

32 - 1.3.6.1.4.1.6247.13.1.2.4 --- txEncoderType (INTEGER)

33 - 1.3.6.1.4.1.6247.13.1.2.5 --- txSpecRotation (INTEGER)

34 - 1.3.6.1.4.1.6247.13.1.2.6 --- txScrambler (INTEGER)

35 - 1.3.6.1.4.1.6247.13.1.2.7 --- txDifferentialEncoder (INTEGER)

36 - 1.3.6.1.4.1.6247.13.1.2.8 --- txPowerLevel (INTEGER)

37 - 1.3.6.1.4.1.6247.13.1.2.9 --- txPowerOffset (INTEGER)

38 - 1.3.6.1.4.1.6247.13.1.2.10 --- txCarrierState (INTEGER)

39 - 1.3.6.1.4.1.6247.13.1.2.11 --- txRSEnable (INTEGER)

40 - 1.3.6.1.4.1.6247.13.1.2.12 --- txRSInterleave (INTEGER)

41 - 1.3.6.1.4.1.6247.13.1.2.13 --- txBPSKBitOrder (INTEGER)

42 - 1.3.6.1.4.1.6247.13.1.2.14 --- txIESS310 (INTEGER)

43 - 1.3.6.1.4.1.6247.13.1.3 --- rxParameters

44 - 1.3.6.1.4.1.6247.13.1.3.1 --- rxFrequency (INTEGER)

45 - 1.3.6.1.4.1.6247.13.1.3.2 --- rxDemodulatorType (INTEGER)

46 - 1.3.6.1.4.1.6247.13.1.3.3 --- rxRateSelect (OCTET STRING)

47 - 1.3.6.1.4.1.6247.13.1.3.4 --- rxDecoderType (INTEGER)

48 - 1.3.6.1.4.1.6247.13.1.3.5 --- rxSpecRotation (INTEGER)

49 - 1.3.6.1.4.1.6247.13.1.3.6 --- rxDescrambler (INTEGER)

50 - 1.3.6.1.4.1.6247.13.1.3.7 --- rxDifferentialDecoder (INTEGER)

51 - 1.3.6.1.4.1.6247.13.1.3.8 --- rxSweepCenter (INTEGER)

52 - 1.3.6.1.4.1.6247.13.1.3.9 --- rxSweepRange (INTEGER)

53 - 1.3.6.1.4.1.6247.13.1.3.10 --- rxSwpReacquisition (INTEGER)

54 - 1.3.6.1.4.1.6247.13.1.3.11 --- rxRSEnable (INTEGER)

55 - 1.3.6.1.4.1.6247.13.1.3.12 --- rxRSInterleave (INTEGER)

56 - 1.3.6.1.4.1.6247.13.1.3.13 --- rxBPSKBitOrder (INTEGER)

57 - 1.3.6.1.4.1.6247.13.1.3.14 --- rxIESS310 (INTEGER)

58 - 1.3.6.1.4.1.6247.13.1.4 --- interfaceParameters

59 - 1.3.6.1.4.1.6247.13.1.4.1 --- modemReference (INTEGER)

60 - 1.3.6.1.4.1.6247.13.1.4.2 --- txOverheadType (INTEGER)

61 - 1.3.6.1.4.1.6247.13.1.4.3 --- rxOverheadType (INTEGER)

62 - 1.3.6.1.4.1.6247.13.1.4.4 --- txDataFault (INTEGER)

63 - 1.3.6.1.4.1.6247.13.1.4.5 --- rxDataFault (INTEGER)

64 - 1.3.6.1.4.1.6247.13.1.4.6 --- txDataPhase (INTEGER)

65 - 1.3.6.1.4.1.6247.13.1.4.7 --- rxDataPhase (INTEGER)

66 - 1.3.6.1.4.1.6247.13.1.4.8 --- txTerrestrialInterface (INTEGER)

67 - 1.3.6.1.4.1.6247.13.1.4.9 --- rxTerrestrialInterface (INTEGER)

68 - 1.3.6.1.4.1.6247.13.1.4.10 --- txClockSource (INTEGER)

69 - 1.3.6.1.4.1.6247.13.1.4.11 --- rxBufferClockSource (INTEGER)

70 - 1.3.6.1.4.1.6247.13.1.4.12 --- extClkRefFrequency (INTEGER)

71 - 1.3.6.1.4.1.6247.13.1.4.13 --- txClockPhase (INTEGER)

72 - 1.3.6.1.4.1.6247.13.1.4.14 --- rxClockPhase (INTEGER)

73 - 1.3.6.1.4.1.6247.13.1.4.15 --- rxBufferSizeProgramming (INTEGER)

74 - 1.3.6.1.4.1.6247.13.1.4.16 --- rxBufferSize (INTEGER)

75 - 1.3.6.1.4.1.6247.13.1.4.17 --- rxFramingStructureT1 (INTEGER)

76 - 1.3.6.1.4.1.6247.13.1.4.18 --- rxFramingStructureE1 (INTEGER)

77 - 1.3.6.1.4.1.6247.13.1.4.19 --- txCodingFormat (INTEGER)

78 - 1.3.6.1.4.1.6247.13.1.4.20 --- rxCodingFormat (INTEGER)

79 - 1.3.6.1.4.1.6247.13.1.4.21 --- dropDataFormat (INTEGER)

80 - 1.3.6.1.4.1.6247.13.1.4.22 --- insertDataFormat (INTEGER)

81 - 1.3.6.1.4.1.6247.13.1.4.23 --- insertE1CRCEnable (INTEGER)

82 - 1.3.6.1.4.1.6247.13.1.4.24 --- dropChAssignment (OCTET STRING)

83 - 1.3.6.1.4.1.6247.13.1.4.25 --- insertChAssignment (OCTET STRING)

84 - 1.3.6.1.4.1.6247.13.1.4.26 --- idrTxESCType (INTEGER)

85 - 1.3.6.1.4.1.6247.13.1.4.27 --- idrRxESCType (INTEGER)

86 - 1.3.6.1.4.1.6247.13.1.4.28 --- asyncTxOHBaudRate (INTEGER)

87 - 1.3.6.1.4.1.6247.13.1.4.29 --- asyncRxOHBaudRate (INTEGER)

88 - 1.3.6.1.4.1.6247.13.1.4.30 --- asyncTxOHCharLength (INTEGER)

89 - 1.3.6.1.4.1.6247.13.1.4.31 --- asyncRxOHCharLength (INTEGER)

90 - 1.3.6.1.4.1.6247.13.1.4.32 --- asyncTxOHStopBits (INTEGER)

91 - 1.3.6.1.4.1.6247.13.1.4.33 --- asyncRxOHStopBits (INTEGER)

92 - 1.3.6.1.4.1.6247.13.1.4.34 --- asyncTxOHParity (INTEGER)

93 - 1.3.6.1.4.1.6247.13.1.4.35 --- asyncRxOHParity (INTEGER)

94 - 1.3.6.1.4.1.6247.13.1.4.36 --- asyncTxOHCommType (INTEGER)

95 - 1.3.6.1.4.1.6247.13.1.4.37 --- asyncRxOHCommType (INTEGER)

96 - 1.3.6.1.4.1.6247.13.1.4.38 --- rxBufferCenter (INTEGER)

97 - 1.3.6.1.4.1.6247.13.1.5 --- utilityParameters

98 - 1.3.6.1.4.1.6247.13.1.5.1 --- ctsDelayTime (INTEGER)

99 - 1.3.6.1.4.1.6247.13.1.5.2 --- serviceChannelLevelTX1 (INTEGER)

100 - 1.3.6.1.4.1.6247.13.1.5.3 --- serviceChannelLevelTX2 (INTEGER)

101 - 1.3.6.1.4.1.6247.13.1.5.4 --- serviceChannelLevelRX1 (INTEGER)

102 - 1.3.6.1.4.1.6247.13.1.5.5 --- serviceChannelLevelRX2 (INTEGER)

103 - 1.3.6.1.4.1.6247.13.1.5.6 --- idrBackwardAlarmEnableTX1 (INTEGER)

104 - 1.3.6.1.4.1.6247.13.1.5.7 --- idrBackwardAlarmEnableTX2 (INTEGER)

105 - 1.3.6.1.4.1.6247.13.1.5.8 --- idrBackwardAlarmEnableTX3 (INTEGER)

106 - 1.3.6.1.4.1.6247.13.1.5.9 --- idrBackwardAlarmEnableTX4 (INTEGER)

107 - 1.3.6.1.4.1.6247.13.1.5.10 --- idrBackwardAlarmEnableRX1 (INTEGER)

108 - 1.3.6.1.4.1.6247.13.1.5.11 --- idrBackwardAlarmEnableRX2 (INTEGER)

109 - 1.3.6.1.4.1.6247.13.1.5.12 --- idrBackwardAlarmEnableRX3 (INTEGER)

110 - 1.3.6.1.4.1.6247.13.1.5.13 --- idrBackwardAlarmEnableRX4 (INTEGER)

111 - 1.3.6.1.4.1.6247.13.1.5.14 --- carrierOnlyMode (INTEGER)

112 - 1.3.6.1.4.1.6247.13.1.5.15 --- ifLoopBack (INTEGER)

113 - 1.3.6.1.4.1.6247.13.1.5.16 --- rfLoopBack (INTEGER)

114 - 1.3.6.1.4.1.6247.13.1.5.17 --- basebandLoopBack (INTEGER)

115 - 1.3.6.1.4.1.6247.13.1.5.18 --- interfaceLoopBack (INTEGER)

116 - 1.3.6.1.4.1.6247.13.1.5.19 --- interfaceLoopTiming (INTEGER)

117 - 1.3.6.1.4.1.6247.13.1.5.20 --- rfModeControl (INTEGER)

118 - 1.3.6.1.4.1.6247.13.1.5.21 --- rtsControlTXIF (INTEGER)

119 - 1.3.6.1.4.1.6247.13.1.5.22 --- substitutePattern (INTEGER)

120 - 1.3.6.1.4.1.6247.13.1.5.23 --- readErrorSelect (INTEGER)

121 - 1.3.6.1.4.1.6247.13.1.5.24 --- rxBERThreshold (INTEGER)

122 - 1.3.6.1.4.1.6247.13.1.6 --- aupcParameters

123 - 1.3.6.1.4.1.6247.13.1.6.1 --- localModemAUPCMode (INTEGER)

124 - 1.3.6.1.4.1.6247.13.1.6.2 --- aupcLocalEnable (INTEGER)

125 - 1.3.6.1.4.1.6247.13.1.6.3 --- aupcNominalPwrLevel (Integer32)

126 - 1.3.6.1.4.1.6247.13.1.6.4 --- aupcMaximumPwrLevel (INTEGER)

127 - 1.3.6.1.4.1.6247.13.1.6.5 --- aupcMinimumPwrLevel (INTEGER)

128 - 1.3.6.1.4.1.6247.13.1.6.6 --- aupcEBNOTarget (INTEGER)

129 - 1.3.6.1.4.1.6247.13.1.6.7 --- aupcMaxTrackRate (INTEGER)

130 - 1.3.6.1.4.1.6247.13.1.6.8 --- aupcLocalCDLossAction (INTEGER)

131 - 1.3.6.1.4.1.6247.13.1.6.9 --- aupcRemoteCDLossAction (INTEGER)

132 - 1.3.6.1.4.1.6247.13.1.6.10 --- remoteAUPCEnable (INTEGER)

133 - 1.3.6.1.4.1.6247.13.1.6.11 --- remoteIntfSubstPattern (INTEGER)

134 - 1.3.6.1.4.1.6247.13.1.6.12 --- remoteIntfBBLoopback (INTEGER)

135 - 1.3.6.1.4.1.6247.13.1.6.13 --- remoteEBNO (INTEGER)

136 - 1.3.6.1.4.1.6247.13.1.7 --- statusParameters

137 - 1.3.6.1.4.1.6247.13.1.7.1 --- rxRawBER (Unsigned32)

138 - 1.3.6.1.4.1.6247.13.1.7.2 --- rxCorrectedBER (Unsigned32)

139 - 1.3.6.1.4.1.6247.13.1.7.3 --- rxEbno (Integer32)

140 - 1.3.6.1.4.1.6247.13.1.7.4 --- rxSignalLevel (INTEGER)

141 - 1.3.6.1.4.1.6247.13.1.7.5 --- rxSweepValue (Integer32)

142 - 1.3.6.1.4.1.6247.13.1.7.6 --- rxbufferFillState (INTEGER)

143 - 1.3.6.1.4.1.6247.13.1.7.7 --- modemFaultStatus (INTEGER)

144 - 1.3.6.1.4.1.6247.13.1.7.8 --- modulatorStatus (INTEGER)

145 - 1.3.6.1.4.1.6247.13.1.7.9 --- demodulatorStatus (INTEGER)

146 - 1.3.6.1.4.1.6247.13.1.7.10 --- txInterfaceStatus (INTEGER)

147 - 1.3.6.1.4.1.6247.13.1.7.11 --- rxInterfaceStatus (INTEGER)

148 - 1.3.6.1.4.1.6247.13.1.7.12 --- commonEquipStatus (INTEGER)

149 - 1.3.6.1.4.1.6247.13.1.7.13 --- backwardAlarmStatus (INTEGER)

150 - 1.3.6.1.4.1.6247.13.1.8 --- trapNotifications

151 - 1.3.6.1.4.1.6247.13.1.8.0 --- trapNotificationsPrefix

152 - 1.3.6.1.4.1.6247.13.1.8.0.1 --- unitFaultTraps

A.7 SDM-300A/SLM-3650 MIB

A.7.1 ISO

Name	iso
OID	1
Full path	iso(1)
Module	SNMPv2-SMI
Child	org
Type	OBJECT-IDENTIFIER

A.7.2 ORG

Name	org
OID	1.3
Full path	iso(1).org(3)
Module	SNMPv2-SMI
Parent	iso
Child	dod
Type	OBJECT-IDENTIFIER

A.7.3 DOD

Name	dod
OID	1.3.6
Full path	iso(1).org(3).dod(6)
Module	SNMPv2-SMI
Parent	org
Child	internet
Type	OBJECT-IDENTIFIER

A.7.4 INTERNET

Name	internet
OID	1.3.6.1
Full path	iso(1).org(3).dod(6).internet(1)
Module	SNMPv2-SMI
Parent	dod
Child	private
Type	OBJECT-IDENTIFIER

A.7.5 PRIVATE

Name	private
OID	1.3.6.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4)
Module	SDM300A
Parent	internet
Child	enterprises
Type	OBJECT-IDENTIFIER

A.7.6 ENTERPRISES

Name	enterprises
OID	1.3.6.1.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1)
Module	SDM300A
Parent	private
Child	comtech
Type	OBJECT-IDENTIFIER

A.7.7 COMTECH

Name	comtech
OID	1.3.6.1.4.1.6247
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247)
Module	SDM300A
Parent	enterprises
Child	sdm300A
Type	OBJECT-IDENTIFIER

A.7.8 SDM300A

Name	sdm300A
OID	1.3.6.1.4.1.6247.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13)
Module	SDM300A
Parent	comtech
Child	sdm300AObjects
Type	OBJECT-IDENTIFIER

A.7.9 SDM300AOBJECTS

Name	sdm300AObjects
OID	1.3.6.1.4.1.6247.13.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1)
Module	SDM300A
Parent	sdm300A
Child	systemInfo
Type	OBJECT-IDENTIFIER

A.7.10 SYSTEMINFO

Name	systemInfo
OID	1.3.6.1.4.1.6247.13.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1)
Module	SDM300A
Parent	sdm300AObjects
Next sibling	txParameters
Child	equipmentType
Type	OBJECT-IDENTIFIER

A.7.11 EQUIPMENTTYPE

Name	equipmentType
OID	1.3.6.1.4.1.6247.13.1.1.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1).equipmentType(1)
Module	SDM300A
Parent	systemInfo
Next sibling	unitSerialNumbers
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	0..23
Description	Equipment Type. (ET_)

A.7.12 UNITSERIALNUMBERS

Name	unitSerialNumbers
OID	1.3.6.1.4.1.6247.13.1.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). unitSerialNumbers(2)
Module	SDM300A
Parent	systemInfo
Prev sibling	equipmentType
Next sibling	firmwareBoot
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	18..66
Description	Unit Serial Numbers. (SNUM_)

A.7.13 FIRMWAREBOOT

Name	firmwareBoot
OID	1.3.6.1.4.1.6247.13.1.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). firmwareBoot(3)
Module	SDM300A
Parent	systemInfo
Prev sibling	unitSerialNumbers
Next sibling	firmwareMC
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	41
Description	Boot Firmware Number. (BFI_)

A.7.14 FIRMWAREMC

Name	firmwareMC
OID	1.3.6.1.4.1.6247.13.1.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). firmwareMC(4)
Module	SDM300A
Parent	systemInfo
Prev sibling	firmwareBoot
Next sibling	firmwareBULK
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	41
Description	M&C Firmware Number. (MCFI_)

A.7.15 FIRMWAREBULK

Name	firmwareBULK
OID	1.3.6.1.4.1.6247.13.1.1.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). firmwareBULK(5)
Module	SDM300A
Parent	systemInfo
Prev sibling	firmwareMC
Next sibling	modemOptions
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	25
Description	Bulk Firmware Number. (DFI_)

A.7.16 MODEMOPTIONS

Name	modemOptions
OID	1.3.6.1.4.1.6247.13.1.1.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). modemOptions(6)
Module	SDM300A
Parent	systemInfo
Prev sibling	firmwareBULK
Next sibling	card1Type
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	135
Description	Modem Options. (MOI_)

A.7.17 CARD1TYPE

Name	card1Type
OID	1.3.6.1.4.1.6247.13.1.1.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). card1Type(7)
Module	SDM300A
Parent	systemInfo
Prev sibling	modemOptions
Next sibling	card2Type
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	5..13
Description	Card 1 Type. (C1TI_)

A.7.18 CARD2TYPE

Name	card2Type
OID	1.3.6.1.4.1.6247.13.1.1.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). card2Type(8)
Module	SDM300A
Parent	systemInfo
Prev sibling	card1Type
Next sibling	card3Type
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	5..13
Description	Card 2 Type. (C2TI_)

A.7.19 CARD3TYPE

Name	card3Type
OID	1.3.6.1.4.1.6247.13.1.1.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). card3Type(9)
Module	SDM300A
Parent	systemInfo
Prev sibling	card2Type
Next sibling	card1Options
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	5..13
Description	Card 3 Type. (C3TI_)

A.7.20 CARD1OPTIONS

Name	card1Options
OID	1.3.6.1.4.1.6247.13.1.1.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). card1Options(10)
Module	SDM300A
Parent	systemInfo
Prev sibling	card3Type
Next sibling	card2Options
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	0..60
Description	Card 1 Options. (C1OI_)

A.7.21 CARD2OPTIONS

Name	card2Options
OID	1.3.6.1.4.1.6247.13.1.1.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). card2Options(11)
Module	SDM300A
Parent	systemInfo
Prev sibling	card1Options
Next sibling	card3Options
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	0..13
Description	Card 2 Options. (C2OI_)

A.7.22 CARD3OPTIONS

Name	card3Options
OID	1.3.6.1.4.1.6247.13.1.1.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). card3Options(12)
Module	SDM300A
Parent	systemInfo
Prev sibling	card2Options
Next sibling	stateOfProduct
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	0..13
Description	Card 3 Options. (C3OI_)

A.7.23 STATEOFPRODUCT

Name	stateOfProduct
OID	1.3.6.1.4.1.6247.13.1.1.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). stateOfProduct(13)
Module	SDM300A
Parent	systemInfo
Prev sibling	card3Options
Next sibling	deviceTime
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-only
Size list	
1	51..64
Description	State Of Product. (SOP_)

A.7.24 DEVICETIME

Name	deviceTime
OID	1.3.6.1.4.1.6247.13.1.1.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). deviceTime(14)
Module	SDM300A
Parent	systemInfo
Prev sibling	stateOfProduct
Next sibling	deviceDate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	7
Description	Unit Time. (TIME_)

A.7.25 DEVICEDATE

Name	deviceDate
OID	1.3.6.1.4.1.6247.13.1.1.15
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). deviceDate(15)
Module	SDM300A
Parent	systemInfo
Prev sibling	deviceTime
Next sibling	operationMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	10..12
Description	Unit Date. (DATE_)

A.7.26 OPERATIONMODE

Name	operationMode
OID	1.3.6.1.4.1.6247.13.1.1.16
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). operationMode(16)
Module	SDM300A
Parent	systemInfo
Prev sibling	deviceDate
Next sibling	modemType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	txonly(0)
2	rxonly(1)
3	duplex(2)
Description	Operation Mode. (MOM_)

A.7.27 MODEMTYPE

Name	modemType
OID	1.3.6.1.4.1.6247.13.1.1.17
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).com tech(6247).sdm300A(13).sdm300AObjects(1).systemInfo(1). modemType(17)
Module	SDM300A
Parent	systemInfo
Prev sibling	operationMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	idr(0)
2	ibs(1)
3	di(2)
4	async(3)
5	efd(4)
6	custom(5)
7:	slm3650_00(6)
8:	slm3650_02(7)
Description	Modem Type. (SMT_)

A.7.28 TXPARAMETERS

Name	txParameters
OID	1.3.6.1.4.1.6247.13.1.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	systemInfo
Next sibling	rxParameters
Child	txFrequency
Type	OBJECT-IDENTIFIER
Composed syntax	

A.7.29 TXFREQUENCY

Name	txFrequency
OID	1.3.6.1.4.1.6247.13.1.2.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txFrequency(1)
Module	SDM300A
Parent	txParameters
Next sibling	txModulatorType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	50000000..180000000
Description	TX Frequency. Value Multiplied by 1000000. (MF_)

A.7.30 TXMODULATORTYPE

Name	txModulatorType
OID	1.3.6.1.4.1.6247.13.1.2.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txModulatorType(2)
Module	SDM300A
Parent	txParameters
Prev sibling	txFrequency
Next sibling	txRateSelect
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	intl(0)
2	efd(1)
3	csc(2)
4	fdc(3)
5	sdm51(4)
Description	TX Modulator Type. (MT_)

A.7.31 TXRATESELECT

Name	txRateSelect
OID	1.3.6.1.4.1.6247.13.1.2.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txRateSelect(3)
Module	SDM300A
Parent	txParameters
Prev sibling	txModulatorType
Next sibling	txEncoderType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	0..13
Description	TX Rate Select. (SMRV_)

A.7.32 TXENCODERTYPE

Name	txEncoderType
OID	1.3.6.1.4.1.6247.13.1.2.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txEncoderType(4)
Module	SDM300A
Parent	txParameters
Prev sibling	txRateSelect
Next sibling	txSpecRotation
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	vit(0)
2	seq(1)
3	tur(2)
Description	TX Encoder Type. (MET_)

A.7.33 TXSPECROTATION

Name	txSpecRotation
OID	1.3.6.1.4.1.6247.13.1.2.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txSpecRotation(5)
Module	SDM300A
Parent	txParameters
Prev sibling	txEncoderType
Next sibling	txScrambler
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	TX Spectrum Rotation. (MSR_)

A.7.34 TXSCRAMBLER

Name	txScrambler
OID	1.3.6.1.4.1.6247.13.1.2.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txScrambler(6)
Module	SDM300A
Parent	txParameters
Prev sibling	txSpecRotation
Next sibling	txDifferentialEncoder
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX Scrambler. (SE_)

A.7.35 TXDIFFERENTIALENCODER

Name	txDifferentialEncoder
OID	1.3.6.1.4.1.6247.13.1.2.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txDifferentialEncoder(7)
Module	SDM300A
Parent	txParameters
Prev sibling	txScrambler
Next sibling	txPowerLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX Differential Encoder. (DENC_)

A.7.36 TXPOWERLEVEL

Name	txPowerLevel
OID	1.3.6.1.4.1.6247.13.1.2.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txPowerLevel(8)
Module	SDM300A
Parent	txParameters
Prev sibling	txDifferentialEncoder
Next sibling	txPowerOffset
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-300..-50
Description	TX Power Level. Value Multiplied by 10. (MOP_)

A.7.37 TXPOWEROFFSET

Name	txPowerOffset
OID	1.3.6.1.4.1.6247.13.1.2.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txPowerOffset(9)
Module	SDM300A
Parent	txParameters
Prev sibling	txPowerLevel
Next sibling	txCarrierState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-999..999
Description	TX Power Offest. Value Multiplied by 10. (MPO_)

A.7.38 TXCARRIERSTATE

Name	txCarrierState
OID	1.3.6.1.4.1.6247.13.1.2.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txCarrierState(10)
Module	SDM300A
Parent	txParameters
Prev sibling	txPowerOffset
Next sibling	txRSEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX Carrier State. (RF_)

A.7.39 TXRSENABLE

Name	txRSEnable
OID	1.3.6.1.4.1.6247.13.1.2.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txRSEnable(11)
Module	SDM300A
Parent	txParameters
Prev sibling	txCarrierState
Next sibling	txRSInterleave
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX Reed-Solomon Enable. (RSEN_)

A.7.40 TXRSINTERLEAVE

Name	txRSInterleave
OID	1.3.6.1.4.1.6247.13.1.2.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txRSInterleave(12)
Module	SDM300A
Parent	txParameters
Prev sibling	txRSEnable
Next sibling	txBPSKBitOrder
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	4
2	8
3	16
Description	TX Reed-Solomon Interleave. (TRSI_)

A.7.41 TXBPSKBITORDER

Name	txBPSKBitOrder
OID	1.3.6.1.4.1.6247.13.1.2.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txBPSKBitOrder(13)
Module	SDM300A
Parent	txParameters
Prev sibling	txRSInterleave
Next sibling	txIESS310
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	TX BPSK Bit Order. (TDA_)

A.7.42 TXIESS310

Name	txIESS310
OID	1.3.6.1.4.1.6247.13.1.2.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).txParameters(2).txIESS310(14)
Module	SDM300A
Parent	txParameters
Prev sibling	txBPSKBitOrder
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX IESS 310 Mode. (T310_)

A.7.43 RXPARAMETERS

Name	rxParameters
OID	1.3.6.1.4.1.6247.13.1.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	txParameters
Next sibling	interfaceParameters
Child	rxFrequency
Type	OBJECT-IDENTIFIER

A.7.44 RXFREQUENCY

Name	rxFrequency
OID	1.3.6.1.4.1.6247.13.1.3.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxFrequency(1)
Module	SDM300A
Parent	rxParameters
Next sibling	rxDemodulatorType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	50000000..180000000
Description	RX Frequency. Value Multiplied by 1000000. (DF_)

A.7.45 RXDEMODULATORTYPE

Name	rxDemodulatorType
OID	1.3.6.1.4.1.6247.13.1.3.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxDemodulatorType(2)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxFrequency
Next sibling	rxRateSelect
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	intl(0)
2	efd(1)
3	csc(2)
4	fdc(3)
Description	RX Demodulator Type. (DT_)

A.7.46 RXRATESELECT

Name	rxRateSelect
OID	1.3.6.1.4.1.6247.13.1.3.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxRateSelect(3)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxDemodulatorType
Next sibling	rxDecoderType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	0..13
Description	RX Rate Select. (SDRV_)

A.7.47 RXDECODERTYPE

Name	rxDecoderType
OID	1.3.6.1.4.1.6247.13.1.3.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxDecoderType(4)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxRateSelect
Next sibling	rxSpecRotation
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	vit(0)
2	seq(1)
3	tur(2)
Description	RX Decoder Type. (DDT_)

A.7.48 RXSPECROTATION

Name	rxSpecRotation
OID	1.3.6.1.4.1.6247.13.1.3.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxSpecRotation(5)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxDecoderType
Next sibling	rxDescrambler
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	RX Spectrum Rotation. (DSR_)

A.7.49 RXDESCRAMBLER

Name	rxDescrambler
OID	1.3.6.1.4.1.6247.13.1.3.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxDescrambler(6)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxSpecRotation
Next sibling	rxDifferentialDecoder
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX Descrambler. (DE_)

A.7.50 RXDIFFERENTIALDECODER

Name	rxDifferentialDecoder
OID	1.3.6.1.4.1.6247.13.1.3.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxDifferentialDecoder(7)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxDescrambler
Next sibling	rxSweepCenter
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX Differential Decoder. (DDEC_)

A.7.51 RXSWEEPCENTER

Name	rxSweepCenter
OID	1.3.6.1.4.1.6247.13.1.3.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxSweepCenter(8)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxDifferentialDecoder
Next sibling	rxSweepRange
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-35000..35000
Description	RX Sweep Center. (SCF_)

A.7.52 RXSWEEPRANGE

Name	rxSweepRange
OID	1.3.6.1.4.1.6247.13.1.3.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxSweepRange(9)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxSweepCenter
Next sibling	rxSwpReacquisition
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..70000
Description	RX Sweep Range. (SWR_)

A.7.53 RXSWPREACQUISITION

Name	rxSwpReacquisition
OID	1.3.6.1.4.1.6247.13.1.3.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxSwpReacquisition(10)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxSweepRange
Next sibling	rxRSEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..999
Description	RX Sweep Re-aquisition. (SR_)

A.7.54 RXRSENABLE

Name	rxRSEnable
OID	1.3.6.1.4.1.6247.13.1.3.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxRSEnable(11)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxSwpReacquisition
Next sibling	rxRSInterleave
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX Reed-Solomon Enable. (RSDE_)

A.7.55 RXRSINTERLEAVE

Name	rxRSInterleave
OID	1.3.6.1.4.1.6247.13.1.3.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxRSInterleave(12)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxRSEnable
Next sibling	rxBPSKBitOrder
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	4
2	8
3	16
Description	RX Reed_Solomon Interleave. (RRSI_)

A.7.56 RXBPSKBITORDER

Name	rxBPSKBitOrder
OID	1.3.6.1.4.1.6247.13.1.3.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxBPSKBitOrder(13)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxRSInterleave
Next sibling	rxIESS310
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	normal(0)
2	inverted(1)
Description	RX BPSK Bit Order. (RDA_)

A.7.57 RXIESS310

Name	rxIESS310
OID	1.3.6.1.4.1.6247.13.1.3.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).rxParameters(3).rxIESS310(14)
Module	SDM300A
Parent	rxParameters
Prev sibling	rxBPSKBitOrder
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX IESS 310 Mode. (R310_)

A.7.58 INTERFACEPARAMETERS

Name	interfaceParameters
OID	1.3.6.1.4.1.6247.13.1.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	rxParameters
Next sibling	utilityParameters
Child	modemReference
Type	OBJECT-IDENTIFIER
Composed syntax	

A.7.59 MODEMREFERENCE

Name	modemReference
OID	1.3.6.1.4.1.6247.13.1.4.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).modemReference(1)
Module	SDM300A
Parent	interfaceParameters
Next sibling	txOverheadType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	int(0)
2	ext1(1)
3	ext5(2)
4	ext10(3)
5	ext20(4)
6	out10(5)
Description	Modem Reference. (MRC_)

A.7.60 TXOVERHEADTYPE

Name	txOverheadType
OID	1.3.6.1.4.1.6247.13.1.4.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txOverheadType(2)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	modemReference
Next sibling	rxOverheadType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	idr(1)
3	ibs(2)
4	di(3)
5	async(4)
Description	TX Overhead Type. (ITOT_)

A.7.61 RXOVERHEADTYPE

Name	rxOverheadType
OID	1.3.6.1.4.1.6247.13.1.4.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxOverheadType(3)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txOverheadType
Next sibling	txDataFault
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	idr(1)
3	ibs(2)
4	di(3)
5	async(4)
Description	RX Overhead Type. (IROT_)

A.7.62 TXDATAFAULT

Name	txDataFault
OID	1.3.6.1.4.1.6247.13.1.4.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txDataFault(4)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxOverheadType
Next sibling	rxDataFault
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	data(1)
3	ais(2)
Description	TX Data Fault. (TDF_)

A.7.63 RXDATAFAULT

Name	rxDataFault
OID	1.3.6.1.4.1.6247.13.1.4.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxDataFault(5)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txDataFault
Next sibling	txDataPhase
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	data(1)
3	ais(2)
Description	RX Data Fault. (RDF_)

A.7.64 TXDATAPHASE

Name	txDataPhase
OID	1.3.6.1.4.1.6247.13.1.4.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txDataPhase(6)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxDataFault
Next sibling	rxDataPhase
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	nrm(0)
2	inv(1)
Description	TX Data Phase. (TDP_)

A.7.65 RXDATAPHASE

Name	rxDataPhase
OID	1.3.6.1.4.1.6247.13.1.4.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxDataPhase(7)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txDataPhase
Next sibling	txTerrestrialInterface
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	nrm(0)
2	inv(1)
Description	RX Data Phase. (RDP_)

A.7.66 TXTERRESTRIALINTERFACE

Name	txTerrestrialInterface
OID	1.3.6.1.4.1.6247.13.1.4.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txTerrestrialInterface(8)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxDataPhase
Next sibling	rxTerrestrialInterface
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	g703(0)
2	v35(1)
3	rs422(2)
4	rs232(3)
Description	TX Terrestrial Interface. (TXDR_)

A.7.67 RXTERRESTRIALINTERFACE

Name	rxTerrestrialInterface
OID	1.3.6.1.4.1.6247.13.1.4.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxTerrestrialInterface(9)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txTerrestrialInterface
Next sibling	txClockSource
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	g703(0)
2	v35(1)
3	rs422(2)
4	rs232(3)
Description	RX Terrestrial Interface. (RXDR_)

A.7.68 TXCLOCKSOURCE

Name	txClockSource
OID	1.3.6.1.4.1.6247.13.1.4.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txClockSource(10)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxTerrestrialInterface
Next sibling	rxBufferClockSource
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	int(0)
2	ext(1)
3	ref(2)
4:	data_slm3650_only(6)
Description	TX Clock Source. (TC_)

A.7.69 RXBUFFERCLOCKSOURCE

Name	rxBufferClockSource
OID	1.3.6.1.4.1.6247.13.1.4.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxBufferClockSource(11)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txClockSource
Next sibling	extClkRefFrequency
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	int(0)
2	ext(1)
3	sat(2)
4	ref(3)
5	ins(4)
Description	RX Buffer Clock Source. (BC_)

A.7.70 EXTCLKREFFREQUENCY

Name	extClkRefFrequency
OID	1.3.6.1.4.1.6247.13.1.4.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).extClkRefFrequency(12)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxBufferClockSource
Next sibling	txClockPhase
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	8000..10000000
Description	External Clock Reference Frequency. Value Multiplied by 1000. (ERF_)

A.7.71 TXCLOCKPHASE

Name	txClockPhase
OID	1.3.6.1.4.1.6247.13.1.4.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txClockPhase(13)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	extClkRefFrequency
Next sibling	rxClockPhase
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	nrm(0)
2	inv(1)
3	auto(2)
Description	TX Clock Phase. (TCP_)

A.7.72 RXCLOCKPHASE

Name	rxClockPhase
OID	1.3.6.1.4.1.6247.13.1.4.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxClockPhase(14)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txClockPhase
Next sibling	rxBufferSizeProgramming
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	nrm(0)
2	inv(1)
Description	RX Clock Phase. (RCP_)

A.7.73 RXBUFFERSIZEPROGRAMMING

Name	rxBufferSizeProgramming
OID	1.3.6.1.4.1.6247.13.1.4.15
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxBufferSizeProgramming(15)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxClockPhase
Next sibling	rxBufferSize
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	bits(0)
2	ms(1)
Description	RX Buffer Size Programming. (IBP_)

A.7.74 RXBUFFERSIZE

Name	rxBufferSize
OID	1.3.6.1.4.1.6247.13.1.4.16
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxBufferSize(16)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxBufferSizeProgramming
Next sibling	rxFramingStructureT1
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..262144
Description	RX Buffer Size. (IBS_)

A.7.75 RXFRAMINGSTRUCTURET1

Name	rxFramingStructureT1
OID	1.3.6.1.4.1.6247.13.1.4.17
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxFramingStructureT1(17)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxBufferSize
Next sibling	rxFramingStructureE1
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	g704(1)
Description	RX Framing Structure T1. (IRFS_T1_)

A.7.76 RXFRAMINGSTRUCTUREE1

Name	rxFramingStructureE1
OID	1.3.6.1.4.1.6247.13.1.4.18
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxFramingStructureE1(18)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxFramingStructureT1
Next sibling	txCodingFormat
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	g704(1)
Description	RX Framing Structure E1. (IRFS_E1_)

A.7.77 TXCODINGFORMAT

Name	txCodingFormat
OID	1.3.6.1.4.1.6247.13.1.4.19
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).txCodingFormat(19)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxFramingStructureE1
Next sibling	rxCodingFormat
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	ami(0)
2	hdb3(1)
3	b8zs(2)
Description	TX Coding Format. (ICFT_)

A.7.78 RXCODINGFORMAT

Name	rxCodingFormat
OID	1.3.6.1.4.1.6247.13.1.4.20
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxCodingFormat(20)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	txCodingFormat
Next sibling	dropDataFormat
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	ami(0)
2	hdb3(1)
3	b8zs(2)
Description	RX Coding Format. (ICFR_)

A.7.79 DROPDATAFORMAT

Name	dropDataFormat
OID	1.3.6.1.4.1.6247.13.1.4.21
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).dropDataFormat(21)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	rxCodingFormat
Next sibling	insertDataFormat
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	t1(0)
2	t1esf(1)
3	t1ibs(2)
4	e1ccs(3)
5	e1cas(4)
6	e1ibs(5)
7	e131ts(6)
8	t1s(7)
9	t1esfs(8)
Description	Drop Data Format. (DDF_)

A.7.80 INSERTDATAFORMAT

Name	insertDataFormat
OID	1.3.6.1.4.1.6247.13.1.4.22
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).insertDataFormat(22)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	dropDataFormat
Next sibling	insertE1CRCEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	t1(0)
2	t1esf(1)
3	t1ibs(2)
4	e1ccs(3)
5	e1cas(4)
6	e1ibs(5)
7	e131ts(6)
8	t1s(7)
9	t1esfs(8)
Description	Insert Data Format. (IDF_)

A.7.81 INSERTE1CRCENABLE

Name	insertE1CRCEnable
OID	1.3.6.1.4.1.6247.13.1.4.23
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).insertE1CRCEnable(23)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	insertDataFormat
Next sibling	dropChAssignment
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Insert E1 CRC Enable. (ICRC_)

A.7.82 DROPCHASSIGNMENT

Name	dropChAssignment
OID	1.3.6.1.4.1.6247.13.1.4.24
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).dropChAssignment(24)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	insertE1CRCEnable
Next sibling	insertChAssignment
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	3..5
Description	Drop Channel Assignment. (DCA_)

A.7.83 INSERTCHASSIGNMENT

Name	insertChAssignment
OID	1.3.6.1.4.1.6247.13.1.4.25
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).insertChAssignment(25)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	dropChAssignment
Next sibling	idrTxESCType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	OCTET STRING
Composed syntax	OCTET STRING
Status	current
Max-access	read-write
Size list	
1	3..5
Description	Insert Channel Assignment. (ICA_)

A.7.84 IDRTXESCTYPE

Name	idrTxESCType
OID	1.3.6.1.4.1.6247.13.1.4.26
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).idrTxESCType(26)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	insertChAssignment
Next sibling	idrRxESCType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	data(0)
2	audio(1)
Description	IDR TX ESC Type. (TET_)

A.7.85 IDRRXESCTYPE

Name	idrRxESCType
OID	1.3.6.1.4.1.6247.13.1.4.27
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).idrRxESCType(27)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	idrTxESCType
Next sibling	asyncTxOHBaudRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	data(0)
2	audio(1)
Description	IDR RX ESC Type. (RET_)

A.7.86 ASYNCTXOHBAUDRATE

Name	asyncTxOHBaudRate
OID	1.3.6.1.4.1.6247.13.1.4.28
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncTxOHBaudRate(28)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	idrRxESCType
Next sibling	asyncRxOHBaudRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	110
2	150
3	300
4	600
5	1200
6	2400
7	4800
8	9600
9	19200
10	38400
Description	Async. TX Overhead Baud Rate. (TOBR_)

A.7.87 ASYNCRXOHBAUDRATE

Name	asyncRxOHBaudRate
OID	1.3.6.1.4.1.6247.13.1.4.29
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncRxOHBaudRate(29)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncTxOHBaudRate
Next sibling	asyncTxOHCharLength
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	110
2	150
3	300
4	600
5	1200
6	2400
7	4800
8	9600
9	19200
10	38400
Description	Async. RX Overhead Baud Rate. (ROBR_)

A.7.88 ASYNCTXOHCHARLENGTH

Name	asyncTxOHCharLength
OID	1.3.6.1.4.1.6247.13.1.4.30
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncTxOHCharLength(30)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncRxOHBaudRate
Next sibling	asyncRxOHCharLength
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	5
2	6
3	7
4	8
Description	Async. TX Overhead Char Length. (TCCL_)

A.7.89 asyncRxOHCharLength

Name	asyncRxOHCharLength
OID	1.3.6.1.4.1.6247.13.1.4.31
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncRxOHCharLength(31)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncTxOHCharLength
Next sibling	asyncTxOHStopBits
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	5
2	6
3	7
4	8
Description	Async. RX Overhead Char Length. (RCCL_)

A.7.90 asyncTxOHStopBits

Name	asyncTxOHStopBits
OID	1.3.6.1.4.1.6247.13.1.4.32
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncTxOHStopBits(32)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncRxOHCharLength
Next sibling	asyncRxOHStopBits
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	1
2	2
Description	Async. TX Overhead Stop Bits. (TCSB_)

A.7.91 ASYNCRXOHSTOPBITS

Name	asyncRxOHStopBits
OID	1.3.6.1.4.1.6247.13.1.4.33
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncRxOHStopBits(33)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncTxOHStopBits
Next sibling	asyncTxOHParity
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	1
2	2
Description	Async. RX Overhead Stop Bits. (RCSB_)

A.7.92 ASYNCTXOHPARITY

Name	asyncTxOHParity
OID	1.3.6.1.4.1.6247.13.1.4.34
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncTxOHParity(34)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncRxOHStopBits
Next sibling	asyncRxOHParity
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	odd(1)
3	even(2)
Description	Async. TX Overhead Parity. (TOCP_)

A.7.93 ASYNCRXOHPARITY

Name	asyncRxOHParity
OID	1.3.6.1.4.1.6247.13.1.4.35
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncRxOHParity(35)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncTxOHParity
Next sibling	asyncTxOHCommType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	odd(1)
3	even(2)
Description	Async. RX Overhead Parity. (ROCP_)

A.7.94 ASYNCTXOHCOMMTYPE

Name	asyncTxOHCommType
OID	1.3.6.1.4.1.6247.13.1.4.36
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncTxOHCommType(36)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncRxOHParity
Next sibling	asyncRxOHCommType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rs232(0)
2	rs485(1)
3	rs4852w(2)
Description	Async. TX Overhead Comm Type. (TCT_)

A.7.95 ASYNCRXOHCOMMTYPE

Name	asyncRxOHCommType
OID	1.3.6.1.4.1.6247.13.1.4.37
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).asyncRxOHCommType(37)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncTxOHCommType
Next sibling	rxBufferCenter
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	rs232(0)
2	rs485(1)
3	rs4852w(2)
Description	Async. RX Overhead Comm Type. (RCT_)

A.7.96 RXBUFFERCENTER

Name	rxBufferCenter
OID	1.3.6.1.4.1.6247.13.1.4.38
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).interfaceParameters(4).rxBufferCenter(38)
Module	SDM300A
Parent	interfaceParameters
Prev sibling	asyncRxOHCommType
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_OCTETS
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	yes(1)
Description	RX Buffer Center. Write-Only. (IBC_)

A.7.97 UTILITYPARAMETERS

Name	utilityParameters
OID	1.3.6.1.4.1.6247.13.1.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	interfaceParameters
Next sibling	aupcParameters
Child	ctsDelayTime
Type	OBJECT-IDENTIFIER

A.7.98 CTSDELAYTIME

Name	ctsDelayTime
OID	1.3.6.1.4.1.6247.13.1.5.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).ctsDelayTime(1)
Module	SDM300A
Parent	utilityParameters
Next sibling	serviceChannelLevelTX1
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	0..60
Description	CTS Delay Time. (CTSD_)

A.7.99 SERVICECHANNELLEVELTX1

Name	serviceChannelLevelTX1
OID	1.3.6.1.4.1.6247.13.1.5.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).serviceChannelLevelTX1(2)
Module	SDM300A
Parent	utilityParameters
Prev sibling	ctsDelayTime
Next sibling	serviceChannelLevelTX2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-20..10
Description	TX1 Service Channel Level. (ISCL_TX1)

A.7.100 SERVICECHANNELLEVELTX2

Name	serviceChannelLevelTX2
OID	1.3.6.1.4.1.6247.13.1.5.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).serviceChannelLevelTX2(3)
Module	SDM300A
Parent	utilityParameters
Prev sibling	serviceChannelLevelTX1
Next sibling	serviceChannelLevelRX1
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-20..10
Description	TX2 Service Channel Level. (ISCL_TX2)

A.7.101 SERVICECHANNELLEVELRX1

Name	serviceChannelLevelRX1
OID	1.3.6.1.4.1.6247.13.1.5.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).serviceChannelLevelRX1(4)
Module	SDM300A
Parent	utilityParameters
Prev sibling	serviceChannelLevelTX2
Next sibling	serviceChannelLevelRX2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-20..10
Description	RX1 Service Channel Level. (ISCL_RX1)

A.7.102 SERVICECHANNELLEVELRX2

Name	serviceChannelLevelRX2
OID	1.3.6.1.4.1.6247.13.1.5.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).serviceChannelLevelRX2(5)
Module	SDM300A
Parent	utilityParameters
Prev sibling	serviceChannelLevelRX1
Next sibling	idrBackwardAlarmEnableTX1
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-20..10
Description	RX2 Service Channel Level. (ISCL_RX2)

A.7.103 IDRBACKWARDALARMENABLETX1

Name	idrBackwardAlarmEnableTX1
OID	1.3.6.1.4.1.6247.13.1.5.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableTX1(6)
Module	SDM300A
Parent	utilityParameters
Prev sibling	serviceChannelLevelRX2
Next sibling	idrBackwardAlarmEnableTX2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX1 IDR Backward Alarm Enable. (BW_TX1)

A.7.104 IDRBACKWARDALARMENABLETX2

Name	idrBackwardAlarmEnableTX2
OID	1.3.6.1.4.1.6247.13.1.5.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableTX2(7)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableTX1
Next sibling	idrBackwardAlarmEnableTX3
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX2 IDR Backward Alarm Enable. (BW_TX2)

A.7.105 IDRBACKWARDALARMENABLETX3

Name	idrBackwardAlarmEnableTX3
OID	1.3.6.1.4.1.6247.13.1.5.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableTX3(8)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableTX2
Next sibling	idrBackwardAlarmEnableTX4
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX3 IDR Backward Alarm Enable. (BW_TX3)

A.7.106 IDRBACKWARDALARMENABLETX4

Name	idrBackwardAlarmEnableTX4
OID	1.3.6.1.4.1.6247.13.1.5.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableTX4(9)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableTX3
Next sibling	idrBackwardAlarmEnableRX1
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX4 IDR Backward Alarm Enable. (BW_TX4)

A.7.107 IDRBACKWARDALARMENABLERX1

Name	idrBackwardAlarmEnableRX1
OID	1.3.6.1.4.1.6247.13.1.5.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableRX1(10)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableTX4
Next sibling	idrBackwardAlarmEnableRX2
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX1 IDR Backward Alarm Enable. (BW_RX1)

A.7.108 IDRBACKWARDALARMENABLERX2

Name	idrBackwardAlarmEnableRX2
OID	1.3.6.1.4.1.6247.13.1.5.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableRX2(11)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableRX1
Next sibling	idrBackwardAlarmEnableRX3
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX2 IDR Backward Alarm Enable. (BW_RX2)

A.7.109 IDRBACKWARDALARMENABLERX3

Name	idrBackwardAlarmEnableRX3
OID	1.3.6.1.4.1.6247.13.1.5.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableRX3(12)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableRX2
Next sibling	idrBackwardAlarmEnableRX4
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX3 IDR Backward Alarm Enable. (BW_RX3)

A.7.110 IDRBACKWARDALARMENABLERX4

Name	idrBackwardAlarmEnableRX4
OID	1.3.6.1.4.1.6247.13.1.5.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).idrBackwardAlarmEnableRX4(13)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableRX3
Next sibling	carrierOnlyMode
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RX4 IDR Backward Alarm Enable. (BW_RX4)

A.7.111 CARRIERONLYMODE

Name	carrierOnlyMode
OID	1.3.6.1.4.1.6247.13.1.5.14
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).carrierOnlyMode(14)
Module	SDM300A
Parent	utilityParameters
Prev sibling	idrBackwardAlarmEnableRX4
Next sibling	ifLoopBack
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	nrm(0)
2	dual(1)
3	offset(2)
4	center(3)
Description	Carrier Only Mode. (COM_)

A.7.112 IFLOOPBACK

Name	ifLoopBack
OID	1.3.6.1.4.1.6247.13.1.5.15
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).ifLoopBack(15)
Module	SDM300A
Parent	utilityParameters
Prev sibling	carrierOnlyMode
Next sibling	rfLoopBack
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	IF Loop Back. (IFL_)

A.7.113 RFLOOPBACK

Name	rfLoopBack
OID	1.3.6.1.4.1.6247.13.1.5.16
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).rfLoopBack(16)
Module	SDM300A
Parent	utilityParameters
Prev sibling	ifLoopBack
Next sibling	basebandLoopBack
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	RF Loop Back. (RFL_)

A.7.114 BASEBANDLOOPBACK

Name	basebandLoopBack
OID	1.3.6.1.4.1.6247.13.1.5.17
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).basebandLoopBack(17)
Module	SDM300A
Parent	utilityParameters
Prev sibling	rfLoopBack
Next sibling	interfaceLoopBack
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Baseband Loop Back. (BBL_)

A.7.115 INTERFACELOOPBACK

Name	interfaceLoopBack
OID	1.3.6.1.4.1.6247.13.1.5.18
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).interfaceLoopBack(18)
Module	SDM300A
Parent	utilityParameters
Prev sibling	basebandLoopBack
Next sibling	interfaceLoopTiming
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Interface Loop Back. (ILB_)

A.7.116 INTERFACELOOPTIMING

Name	interfaceLoopTiming
OID	1.3.6.1.4.1.6247.13.1.5.19
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).interfaceLoopTiming(19)
Module	SDM300A
Parent	utilityParameters
Prev sibling	interfaceLoopBack
Next sibling	rfModeControl
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Interface Loop Timing. (ILT_)

A.7.117 RFMODECONTROL

Name	rfModeControl
OID	1.3.6.1.4.1.6247.13.1.5.20
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).rfModeControl(20)
Module	SDM300A
Parent	utilityParameters
Prev sibling	interfaceLoopTiming
Next sibling	rtsControlTXIF
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	nrm(0)
2	pwr(1)
3	comm(2)
4	cd(3)
Description	RF Mode Control. (RFMD_)

A.7.118 RTSCONTROLTXIF

Name	rtsControlTXIF
OID	1.3.6.1.4.1.6247.13.1.5.21
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).rtsControlTXIF(21)
Module	SDM300A
Parent	utilityParameters
Prev sibling	rfModeControl
Next sibling	substitutePattern
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	TX IF RTS Control. (RTSM_)

A.7.119 SUBSTITUTEPATTERN

Name	substitutePattern
OID	1.3.6.1.4.1.6247.13.1.5.22
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).substitutePattern(22)
Module	SDM300A
Parent	utilityParameters
Prev sibling	rtsControlTXIF
Next sibling	readErrorSelect
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
3:	slm3650_2047(2)
4:	slm3650_MIL188(3)
Description	Substitute Pattern. (ISP_)

A.7.120 READERRORSELECT

Name	readErrorSelect
OID	1.3.6.1.4.1.6247.13.1.5.23
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).readErrorSelect(23)
Module	SDM300A
Parent	utilityParameters
Prev sibling	substitutePattern
Next sibling	rxBERThreshold
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
3:	slm3650_2047(2)
4:	slm3650_MIL188(3)
Description	Read Error Select. (IRE_)

A.7.121 RXBERTHRESHOLD

Name	rxBERThreshold
OID	1.3.6.1.4.1.6247.13.1.5.24
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).utilityParameters(5).rxBERThreshold(24)
Module	SDM300A
Parent	utilityParameters
Prev sibling	readErrorSelect
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	none(0)
2	e-3(3)
3	e-4(4)
4	e-5(5)
5	e-6(6)
6	e-7(7)
7	e-8(8)
Description	RX BER Threshold. (BERT_)

A.7.122 AUPCPARAMETERS

Name	aupcParameters
OID	1.3.6.1.4.1.6247.13.1.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	utilityParameters
Next sibling	statusParameters
Child	localModemAUPCMode
Type	OBJECT-IDENTIFIER
Composed syntax	

A.7.123 LOCALMODEMAUPCMODE

Name	localModemAUPCMode
OID	1.3.6.1.4.1.6247.13.1.6.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).localModemAUPCMode(1)
Module	SDM300A
Parent	aupcParameters
Next sibling	aupcLocalEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Local Modem AUPC Mode. (LMA_)

A.7.124 AUPCLOCALENABLE

Name	aupcLocalEnable
OID	1.3.6.1.4.1.6247.13.1.6.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcLocalEnable(2)
Module	SDM300A
Parent	aupcParameters
Prev sibling	localModemAUPCMode
Next sibling	aupcNominalPwrLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Local Modem AUPC Enable. (LPC_)

A.7.125 AUPCNOMINALPWRLEVEL

Name	aupcNominalPwrLevel
OID	1.3.6.1.4.1.6247.13.1.6.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcNominalPwrLevel(3)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcLocalEnable
Next sibling	aupcMaximumPwrLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	Integer32
Composed syntax	Integer32
Status	current
Max-access	read-write
Size list	
1	-300..-50
Description	AUPC Nominal Power Level. Value Multiplied by 10. (NOMP_)

A.7.126 AUPCMAXIMUMPWRLEVEL

Name	aupcMaximumPwrLevel
OID	1.3.6.1.4.1.6247.13.1.6.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcMaximumPwrLevel(4)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcNominalPwrLevel
Next sibling	aupcMinimumPwrLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-300..-50
Description	AUPC Maximum Power Level. Value Multiplied by 10. (MAXP_)

A.7.127 AUPCMINIMUMPWRLEVEL

Name	aupcMinimumPwrLevel
OID	1.3.6.1.4.1.6247.13.1.6.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcMinimumPwrLevel(5)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcMaximumPwrLevel
Next sibling	aupcEBNOTarget
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	-300..-50
Description	AUPC Minimum Power Level. Value Multiplied by 10. (MINP_)

A.7.128 AUPCEBNOTARGET

Name	aupcEBNOTarget
OID	1.3.6.1.4.1.6247.13.1.6.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcEBNOTarget(6)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcMinimumPwrLevel
Next sibling	aupcMaxTrackRate
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	32..160
Description	AUPC EBN0 Target. Value Multiplied by 10. (ENSP_)

A.7.129 AUPCMAXTRACKRATE

Name	aupcMaxTrackRate
OID	1.3.6.1.4.1.6247.13.1.6.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcMaxTrackRate(7)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcEBNOTarget
Next sibling	aupcLocalCDLossAction
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Size list	
1	5..60
Description	AUPC Max Track Rate. Value Multiplied by 10. (MAXT_)

A.7.130 AUPCLOCALCDLOSSACTION

Name	aupcLocalCDLossAction
OID	1.3.6.1.4.1.6247.13.1.6.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcLocalCDLossAction(8)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcMaxTrackRate
Next sibling	aupcRemoteCDLossAction
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	hold(0)
2	nom(1)
3	max(2)
Description	AUPC Local Carrier Detect Loss Action. (LCL_)

A.7.131 AUPCREMOTECDLOSSACTION

Name	aupcRemoteCDLossAction
OID	1.3.6.1.4.1.6247.13.1.6.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).aupcRemoteCDLossAction(9)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcLocalCDLossAction
Next sibling	remoteAUPCEnable
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	hold(0)
2	nom(1)
3	max(2)
Description	AUPC Remote Carrier Detect Loss Action. (RCL_)

A.7.132 REMOTEAUPCENABLE

Name	remoteAUPCEnable
OID	1.3.6.1.4.1.6247.13.1.6.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).remoteAUPCEnable(10)
Module	SDM300A
Parent	aupcParameters
Prev sibling	aupcRemoteCDLossAction
Next sibling	remoteIntfSubstPattern
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Remote AUPC Enable. (RPC_)

A.7.133 REMOTEINTFSUBSTPATTERN

Name	remoteIntfSubstPattern
OID	1.3.6.1.4.1.6247.13.1.6.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).remoteIntfSubstPattern(11)
Module	SDM300A
Parent	aupcParameters
Prev sibling	remoteAUPCEnable
Next sibling	remoteIntfBBLoopback
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Remote Interface Substitution Pattern. (RISP_)

A.7.134 REMOTEINTFBBLOOPBACK

Name	remoteIntfBBLoopback
OID	1.3.6.1.4.1.6247.13.1.6.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).remoteIntfBBLoopback(12)
Module	SDM300A
Parent	aupcParameters
Prev sibling	remoteIntfSubstPattern
Next sibling	remoteEBNO
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-write
Value list	
1	off(0)
2	on(1)
Description	Remote Interface Broadband Loopback. (RBBL_)

A.7.135 REMOTEEBNO

Name	remoteEBNO
OID	1.3.6.1.4.1.6247.13.1.6.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).aupcParameters(6).remoteEBNO(13)
Module	SDM300A
Parent	aupcParameters
Prev sibling	remoteIntfBBLoopback
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..2147483647
Description	Remote EBN0. Value Multiplied by 10E-10. (RRES_)

A.7.136 STATUSPARAMETERS

Name	statusParameters
OID	1.3.6.1.4.1.6247.13.1.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	aupcParameters
Next sibling	trapNotifications
Child	rxRawBER
Type	OBJECT-IDENTIFIER
Composed syntax	

A.7.137 RXRAWBER

Name	rxRawBER
OID	1.3.6.1.4.1.6247.13.1.7.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxRawBER(1)
Module	SDM300A
Parent	statusParameters
Next sibling	rxCorrectedBER
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_GAUGE32
Base syntax	Unsigned32
Composed syntax	Unsigned32
Status	current
Max-access	read-only
Size list	
1	0..2147483647
Description	RX Raw BER. Value Multiplied by 10E-10. (RBER_)

A.7.138 RXCORRECTEDBER

Name	rxCorrectedBER
OID	1.3.6.1.4.1.6247.13.1.7.2
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxCorrectedBER(2)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxRawBER
Next sibling	rxEbno
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_GAUGE32
Base syntax	Unsigned32
Composed syntax	Unsigned32
Status	current
Max-access	read-only
Size list	
1	0..2147483647
Description	RX Corrected BER. Value Multiplied by 10E-10. (CBER_)

A.7.139 RXEBNO

Name	rxEbno
OID	1.3.6.1.4.1.6247.13.1.7.3
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxEbno(3)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxCorrectedBER
Next sibling	rxSignalLevel
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	Integer32
Composed syntax	Integer32
Status	current
Max-access	read-only
Size list	
1	10..999
Description	RX EBN0. Value Multiplied by 10. (EBN0_)

A.7.140 RXSIGNALLEVEL

Name	rxSignalLevel
OID	1.3.6.1.4.1.6247.13.1.7.4
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxSignalLevel(4)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxEbno
Next sibling	rxSweepValue
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..999
Description	RX Signal Level. Value Multiplied by 10. (RSL_)

A.7.141 RXSWEEPVALUE

Name	rxSweepValue
OID	1.3.6.1.4.1.6247.13.1.7.5
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxSweepValue(5)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxSignalLevel
Next sibling	rxbufferFillState
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	Integer32
Composed syntax	Integer32
Status	current
Max-access	read-only
Size list	
1	-35000..35000
Description	RX Sweep Value. (CSV_)

A.7.142 RXBUFFERFILLSTATE

Name	rxbufferFillState
OID	1.3.6.1.4.1.6247.13.1.7.6
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxbufferFillState(6)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxSweepValue
Next sibling	modemFaultStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..99
Description	RX Buffer Fill State. % Full. (IBFS_)

A.7.143 MODEMFAULTSTATUS

Name	modemFaultStatus
OID	1.3.6.1.4.1.6247.13.1.7.7
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).modemFaultStatus(7)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxbufferFillState
Next sibling	modulatorStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..63
Description	Modem Fault Status. (MFS_)
Bit 0 = Demodulator	(0=OK, 1=FLT)
Bit 1 = Modulator	(0=OK, 1=FLT)
Bit 2 = TX Interface	(0=OK, 1=FLT)
Bit 3 = RX Interface	(0=OK, 1=FLT)
Bit 4 = Common Equipment	(0=OK, 1=FLT)
Bit 5 = Backward Alarms	(0=OK, 1=FLT)

A.7.144 MODULATORSTATUS

Name	modulatorStatus
OID	1.3.6.1.4.1.6247.13.1.7.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).modulatorStatus(8)
Module	SDM300A
Parent	statusParameters
Prev sibling	modemFaultStatus
Next sibling	demodulatorStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..511
Description	Modulator Fault Status. (MS_)
Bit 0 = Module	(0=OK, 1=FLT)
Bit 1 = IF Synthesizer	(0=OK, 1=FLT)
Bit 2 = Data Clock Synthesizer	(0=OK, 1=FLT)
Bit 3 = I Channel	(0=OK, 1=FLT)
Bit 4 = Q Channel	(0=OK, 1=FLT)
Bit 5 = AGC Level	(0=OK, 1=FLT)
Bit 6 = Modem REF PLL Lock	(0=OK, 1=FLT)
Bit 7 = Modem REF Activity	(0=OK, 1=FLT)
Bit 8 = Configuration	(0=OK, 1=FLT)

A.7.145 DEMODULATORSTATUS

Name	demodulatorStatus
OID	1.3.6.1.4.1.6247.13.1.7.9
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).demodulatorStatus(9)
Module	SDM300A
Parent	statusParameters
Prev sibling	modulatorStatus
Next sibling	txInterfaceStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..127
Description	Demodulator Fault Status. (DS_)
Bit 0 = Module	(0=OK, 1=FLT)
Bit 1 = Carrier Detect	(0=OK, 1=FLT)
Bit 2 = IF Synthesizer	(0=OK, 1=FLT)
Bit 3 = I Channel	(0=OK, 1=FLT)
Bit 4 = Q Channel	(0=OK, 1=FLT)
Bit 5 = BER Threshold	(0=OK, 1=FLT)
Bit 6 = Configuration	(0=OK, 1=FLT)

A.7.146 TXINTERFACESTATUS

Name	txInterfaceStatus
OID	1.3.6.1.4.1.6247.13.1.7.10
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).txInterfaceStatus(10)
Module	SDM300A
Parent	statusParameters
Prev sibling	demodulatorStatus
Next sibling	rxInterfaceStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..127
Description	TX Interface Fault Status. (ITXS_)
Bit 0 = D&I Drop	(0=OK, 1=FLT)
Bit 1 = TX Data / AIS	(0=OK, 1=FLT)
Bit 2 = TX Synthesizer PLL Lock	(0=OK, 1=FLT)
Bit 3 = Selected TX Clock Activity	(0=OK, 1=FLT)
Bit 4 = TX Audio Clip Channel #1	(0=OK, 1=FLT)
Bit 5 = TX Audio Clip Channel #2	(0=OK, 1=FLT)
Bit 6 = Configuration	(0=OK, 1=FLT)

A.7.147 RXINTERFACESTATUS

Name	rxInterfaceStatus
OID	1.3.6.1.4.1.6247.13.1.7.11
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).rxInterfaceStatus(11)
Module	SDM300A
Parent	statusParameters
Prev sibling	txInterfaceStatus
Next sibling	commonEquipStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..16383
Description	RX Interface Fault Status. (IRXS_)
Bit 0 = Buffer Underflow	(0=OK, 1=FLT)
Bit 1 = Buffer Overflow	(0=OK, 1=FLT)
Bit 2 = RX Data / AIS	(0=OK, 1=FLT)
Bit 3 = Frame BER	(0=OK, 1=FLT)
Bit 4 = RX Backward Alarm	(0=OK, 1=FLT)
Bit 5 = Selected Buffer Clock Activity	(0=OK, 1=FLT)
Bit 6 = Buffer Clock PLL Lock	(0=OK, 1=FLT)
Bit 7 = Demux Lock	(0=OK, 1=FLT)
Bit 8 = 2047 Pattern Lock Detect	(0=OK, 1=FLT)
Bit 9 = Buffer Full	(0=OK, 1=FLT)
Bit 10 = D&I Insert	(0=OK, 1=FLT)
Bit 11 = RX Audio Clip Channel #1	(0=OK, 1=FLT)
Bit 12 = RX Audio Clip Channel #2	(0=OK, 1=FLT)
Bit 13 = Configuration	(0=OK, 1=FLT)

A.7.148 COMMONEQUIPSTATUS

Name	commonEquipStatus
OID	1.3.6.1.4.1.6247.13.1.7.12
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).commonEquipStatus(12)
Module	SDM300A
Parent	statusParameters
Prev sibling	rxInterfaceStatus
Next sibling	backwardAlarmStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..127
Description	Common Equipment Fault Status. (CES_)
Bit 0 = M&C Module	(0=OK, 1=FLT)
Bit 1 = Data Interface / Overhead Module	(0=OK, 1=FLT)
Bit 2 = Battery / Clock	(0=OK, 1=FLT)
Bit 3 = +5V Power Supply	(0=OK, 1=FLT)
Bit 4 = +12V Power Supply	(0=OK, 1=FLT)
Bit 5 = -12V Power Supply	(0=OK, 1=FLT)
Bit 6 = Self Test	(0=OK, 1=FLT)

A.7.149 BACKWARDALARMSTATUS

Name	backwardAlarmStatus
OID	1.3.6.1.4.1.6247.13.1.7.13
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).statusParameters(7).backwardAlarmStatus(13)
Module	SDM300A
Parent	statusParameters
Prev sibling	commonEquipStatus
Type	OBJECT-TYPE
Numerical syntax	SNMP_SYNTAX_INT
Base syntax	INTEGER
Composed syntax	INTEGER
Status	current
Max-access	read-only
Size list	
1	0..255
Description	Backward Alarm Fault Status. (IAS_)
Bit 0 = TX Backward Alarm #1	(0=OK, 1=FLT)
Bit 1 = TX Backward Alarm #2	(0=OK, 1=FLT)
Bit 2 = TX Backward Alarm #3	(0=OK, 1=FLT)
Bit 3 = TX Backward Alarm #4	(0=OK, 1=FLT)
Bit 4 = RX Backward Alarm #1	(0=OK, 1=FLT)
Bit 5 = RX Backward Alarm #2	(0=OK, 1=FLT)
Bit 6 = RX Backward Alarm #3	(0=OK, 1=FLT)
Bit 7 = RX Backward Alarm #4	(0=OK, 1=FLT)

A.7.150 TRAPNOTIFICATIONS

Name	trapNotifications
OID	1.3.6.1.4.1.6247.13.1.8
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).trapNotifications(8)
Module	SDM300A
Parent	sdm300AObjects
Prev sibling	statusParameters
Child	trapNotificationsPrefix
Type	OBJECT-IDENTIFIER

A.7.151 TRAPNOTIFICATIONSPREFIX

Name	trapNotificationsPrefix
OID	1.3.6.1.4.1.6247.13.1.8.0
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).trapNotifications(8).trapNotificationsPrefix(0)
Module	SDM300A
Parent	trapNotifications
Child	unitFaultTraps
Type	OBJECT-IDENTIFIER

A.7.152 UNITFAULTTRAPS

Name	unitFaultTraps
OID	1.3.6.1.4.1.6247.13.1.8.0.1
Full path	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300A(13).sdm300AObjects(1).trapNotifications(8).trapNotificationsPrefix(0).unitFaultTraps(1)
Module	SDM300A
Parent	trapNotificationsPrefix
Type	NOTIFICATION-TYPE
Composed syntax	
Status	current
Objects	
1	modemFaultStatus
Description	Unit Fault Trap using Modem Fault Status. (MFS_)
Bit 0 = Demodulator	(0=OK, 1=FLT)
Bit 1 = Modulator	(0=OK, 1=FLT)
Bit 2 = TX Interface	(0=OK, 1=FLT)
Bit 3 = RX Interface	(0=OK, 1=FLT)
Bit 4 = Common Equipment	(0=OK, 1=FLT)
Bit 5 = Backward Alarms	(0=OK, 1=FLT)

NOTES:

Index

A

About this Manual....x
Administration and Security 7
Administration Page....17
Asynchronous Inteface Page....23
AUPC Page 24

C

Changing MAC Address....40
Changing Network IP Address 40
Changing Serial Number....41
CiM-25 Connectors....4
CiM-25 MIB Tree 44
CiM-25 MIB 46

a

administratorName 57
administratorPassword 55

c

cim25 47
cim25IpAddress....53
cim25IpGateway 53
cim25IpMask....54
cim25Objects....47
comtech 47

d

dnsIpAddressPrimary 52
dnsIpAddressSecondary 53
dod 46

e

enterprises....47

i

internet....46
ipAddress1....48
ipAddress12Range....49
ipAddress2....48
ipAddress3 49
ipAddress34Range 50
ipAddress4 50
ipAddress5 51
ipAddress56Range 52
ipAddress6 51
iso 46

m

macAddress....58

o

org 46

p

private....46

r

readonlyName 57
readonlyPassword 54
readwriteName 58
readwritePassword 55

s

submitconfig....59

t

trapCommunity 56
trapIpAddress 56

CIM-25/300A SNMP INTERFACE....43
Configuration 3
Connecting CiM-25 To Equipment 4
Contact Information Page 15
Conventions and References....x
Customer Support ii

E

EMC Compliance.... xi
EN 60950 xii

F

Faults/Alarms Page 27
Federal Communications Commission (FCC) xi

H

Home Page 13
HTTP Interface 10

I

INSTALLATION 3
Interface Parameters Page (Tx/Rx) 22
INTRODUCTION 1

L

Local LAN Configuration 10
Logoff Page 14

M

Maintenance Interface 39
Metric Conversion x
MIB-II 43
Modem Clocks Page 26
Modem Configuration Page (Rx/Tx) 20

N

Network Administration 9

O

OPERATION 7

P

Powering the CiM-25 4
Private MIB Implementations 43

R

Resetting to Factory Defaults 40

S

Safety Compliance xii
SDM-300A/SLM-3650 MIB Tree 60
SDM-300A/SLM-3650 MIB 67

a

asyncRxOHBaudRate 108
asyncRxOHCharLength 109
asyncRxOHCommType 112
asyncRxOHParity 111
asyncRxOHStopBits 110
asyncTxOHBaudRate 107
asyncTxOHCharLength 108
asyncTxOHCommType 111
asyncTxOHParity 110
asyncTxOHStopBits 109
aupcEBNOTarget 128
aupcLocalCDLossAction 129
aupcLocalEnable 126
aupcMaximumPwrLevel 127
aupcMaxTrackRate 129
aupcMinimumPwrLevel 128
aupcNominalPwrLevel 127
aupcParameters 125
aupcRemoteCDLossAction 130

b

backwardAlarmStatus 142
basebandLoopBack 121

c

card1Options 74
card1Type 72
card2Options 74
card2Type 73
card3Options 75
card3Type 73
carrierOnlyMode 120
commonEquipStatus 141
comtech 68
ctsDelayTime 113

d

demodulatorStatus 138
deviceDate 76
deviceTime 76
dod 67
dropChAssignment 105
dropDataFormat 103

e

enterprises 68
equipmentType 69
extClkRefFrequency 99

f

firmwareBoot 70
firmwareBULK 71
firmwareMC 71

i

idrBackwardAlarmEnableRX1 118
idrBackwardAlarmEnableRX2 118
idrBackwardAlarmEnableRX3 119
idrBackwardAlarmEnableRX4 119
idrBackwardAlarmEnableTX1 116
idrBackwardAlarmEnableTX2 116
idrBackwardAlarmEnableTX3 117
idrBackwardAlarmEnableTX4 117
idrRxESCType 106
idrTxESCType 106
ifLoopBack 120
insertChAssignment 105
insertDataFormat 104
insertE1CRCEnable 104
interfaceLoopBack 122
interfaceLoopTiming 122
interfaceParameters 93
internet 67
iso 67

l

localModemAUPCMode 126

m

modemFaultStatus 136
modemOptions 72
modemReference 93
modemType 77
modulatorStatus 137

o

operationMode 77
org 67

p

private 68

r

readErrorSelect 124
remoteAUPCEnable 130
remoteEBNO 132
remoteIntfBBLoopback 131
remoteIntfSubstPattern 131
rfLoopBack 121
rfModeControl 123
rtsControlTXIF 123
rxBERThreshold 125
rxBPSKBitOrder 92
rxBufferCenter 112
rxBufferClockSource 98
rxbufferFillState 135
rxBufferSize 101
rxBufferSizeProgramming 100
rxClockPhase 100
rxCodingFormat 103
rxCorrectedBER 133
rxDataFault 95
rxDataPhase 96
rxDecoderType 87
rxDemodulatorType 86
rxDescrambler 88
rxDifferentialDecoder 89
rxEbno 134
rxFramingStructureE1 102
rxFramingStructureT1 101
rxFrequency 86

rxIESS310 92
rxInterfaceStatus 140
rxOverheadType 94
rxParameters 85
rxRateSelect 87
rxRawBER 133
rxRSEnable 91
rxRSInterleave 91
rxSignalLevel 134
rxSpecRotation 88
rxSweepCenter 89
rxSweepRange 90
rxSweepValue 135
rxSwpReacquisition 90
rxTerrestrialInterface 97

s

sdm300A 68
sdm300AObjects 69
serviceChannelLevelRX1 115
serviceChannelLevelRX2 115
serviceChannelLevelTX1 114
serviceChannelLevelTX2 114
stateOfProduct 75
statusParameters 132
substitutePattern 124
systemInfo 69

t

trapNotifications 142
trapNotificationsPrefix 143
txBPSKBitOrder 84
txCarrierState 83
txClockPhase 99
txClockSource 98
txCodingFormat 102
txDataFault 95
txDataPhase 96
txDifferentialEncoder 81
txEncoderType 80
txFrequency 78
txIESS310 85
txInterfaceStatus 139
txModulatorType 79
txOverheadType 94
txParameters 78
txPowerLevel 82
txPowerOffset 82
txRateSelect 79
txRSEnable 83
txRSInterleave 84
txScrambler 81
txSpecRotation 80
txTerrestrialInterface 97

u

unitFaultTraps 143
unitSerialNumbers 70
utilityParameters 113
Security Tools 8
SNMP Interface 29
SNMP Interface 43
Specifications 2
Status Page 21
Stored Faults/Alarms Page 28
Support Page 16

T

Telnet Administrative Functions 32
Telnet Interface 31
Trademarks x

U

Unpacking and Inspection 3
Using Telnet with Equipment Remote Control Protocol 38
Utilities Page 25

V

Verifying Software Version 40

W

Warranty Policy xiii

METRIC CONVERSIONS

Units of Length

Unit	Centimeter	Inch	Foot	Yard	Mile	Meter	Kilometer	Millimeter
1 centimeter	—	0.3937	0.03281	0.01094	6.214×10^{-6}	0.01	—	—
1 inch	2.540	—	0.08333	0.2778	1.578×10^{-5}	0.254	—	25.4
1 foot	30.480	12.0	—	0.3333	1.893×10^{-4}	0.3048	—	—
1 yard	91.44	36.0	3.0	—	5.679×10^{-4}	0.9144	—	—
1 meter	100.0	39.37	3.281	1.094	6.214×10^{-4}	—	—	—
1 mile	1.609×10^{5}	6.336×10^{4}	5.280×10^{3}	1.760×10^{3}	—	1.609×10^{3}	1.609	—
1 mm	—	0.03937	—	—	—	—	—	—
1 kilometer	—	—	—	—	0.621	—	—	—

Temperature Conversions

Unit	° Fahrenheit	° Centigrade
32° Fahrenheit	—	0 (water freezes)
212° Fahrenheit	—	100 (water boils)
-459.6° Fahrenheit	—	273.1 (absolute 0)

Formulas
C = (F - 32) * 0.555
F = (C * 1.8) + 32

Units of Weight

Unit	Gram	Ounce Avoirdupois	Ounce Troy	Pound Avoir.	Pound Troy	Kilogram
1 gram	—	0.03527	0.03215	0.002205	0.002679	0.001
1 oz. avoir.	28.35	—	0.9115	0.0625	0.07595	0.02835
1 oz. troy	31.10	1.097	—	0.06857	0.08333	0.03110
1 lb. avoir.	453.6	16.0	14.58	—	1.215	0.4536
1 lb. Troy	373.2	13.17	12.0	0.8229	—	0.3732
1 kilogram	1.0×10^{3}	35.27	32.15	2.205	2.679	—

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