

Software Release Notification

CDM-570/L IP Module Bulk 1.6.22 Release

Applicability
Bulk Release IP v1 _Module Rev. 1.6.22 (FW-0000120AA) for CDM-570 L-band and 70/140 modems. Includes all related firmware and SNMP MIBs. Parameter Editor v6.22 will work for this maintenance release only.

Revision History		
Rev #	Description	Date
G	Feature Release Version 1.6.6	01/21/2011
H	Feature Release Version 1.6.7	06/30/2011
J	Maintenance Release Version 1.6.8	12/19/2011
K	Feature Release Version 1.6.9	04/02/2012
L	Feature Release Version 1.6.11	06/29/2012
M	Maintenance Release Version 1.6.12	11/28/2012
N	Maintenance Release Version 1.6.13	01/28/2013
P	Maintenance Release Version 1.6.14	02/11/2013
R	Maintenance Release Version 1.6.15	04/08/2013
T	Maintenance Release Version 1.6.16	08/06/2013
U	Maintenance Release Version 1.6.17	11/01/2013
V	Maintenance Release Version 1.6.18	08/01/2014
W	Maintenance Release Version 1.6.19	10/31/2014
Y	Maintenance Release Version 1.6.21	06/29/2015
AA	Maintenance Release Version 1.6.22	08/24/2015

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FSCM No. 4J515

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Introduction

Version 1.6.22 is the 37th revision of the CDM-570/L family IP v1_Module firmware. Comtech EF Data has continued to enhance the firmware based on customer feedback and experience gained from using this module. The changes in the 1.6.22 release are the result of real world traffic and customer applications.

NOTE: Firmware FW-0000120AA does not contain 3xDES. Please contact CEFD customer support for details on how to get the v1.6.22 version with 3xDES.

Note: The current Streamline version (2.2.2) is not feature compatible as compared to the latest HDLC versions. ***ALL Vipersat customers should only run 1.6.x or 2.6.x builds because the current build of SLE 1.7.x or 2.2.x do not contain all the latest features of 1.6.x/2.6.x.***

Warning, the IP v1_Module 1.7.x and the IP v2_Module 2.2.x release WILL continue to break backwards compatibility with 1.6.x, 2.6.x and older versions resulting in communications failure. Extra caution will be required when upgrading live customer networks.

Features:

- Added outbound Tx-to-Rx WAN label processing to increase modem performance by reducing the Rx flow processing per route. In Vipersat Mode only the outbound TDM has an option to enable Remote Route labeling allowing the remotes to auto detect label information per packet route. ***Warning enabling this feature requires that all remotes in the network are running x.6.22 or greater.***
- Added input/output flow stats in CLI and SNMP MIB, requires MIB update.

Fixes:

- dSCPC Rogue Carrier Protection not working properly. **TT#4148**

Backward Compatibility

The CDM-570L and 70/140 with IP Module containing this BULK firmware is compatible with:

- CDM-570(L) operating with IP v1_module v1.6.11 & IP v2_Module v2.6.11 or greater.
- CDD-56x(L) operating with v1.6.11 & IP v2_Module v2.1.11 or greater.

Mandatory: CDM-570(L) modems running previous releases of software should be upgraded to v1.6.22 to provide increased performance.

NOTE: When operating in all modes, and the base modem is v1.6.18 or older, it is still backwards compatible with current releases, but ALL latest functionality will not operate correctly, upgrade base modem to the latest version (v1.6.19 or greater).

Valid Configurations of Modem Firmware

The table below identifies the valid configurations of CDM-570/L Base Modem bulk firmware and IP Module bulk firmware that are supported. Modems that are configured with firmware that does not match these configurations may not function as expected.

Compatible Base Modem Bulk Versions for Optimal Performance

Model	Base Modem P/N	Base Modem Version	IP Bulk P/N	IP Bulk Version
CDM-570/L	FW/10805AU	1.6.12	FW-0000120G	1.6.6
CDM-570/L	FW/10805AV	1.6.13	FW-0000120H	1.6.7
CDM-570/L	FW/10805AW	1.6.14	FW-0000120J	1.6.8
CDM-570/L	FW/10805AY	1.6.15	FW-0000120K	1.6.9
CDM-570/L	FW/10805AY	1.6.15	FW-0000120L	1.6.11
CDM-570/L	FW/10805BA	1.6.16	FW-0000120M	1.6.12
CDM-570/L	FW/10805BA	1.6.16	FW-0000120N	1.6.13
CDM-570/L	FW/10805BA	1.6.16	FW-0000120P	1.6.14
CDM-570/L	FW/10805BA	1.6.16	FW-0000120R	1.6.15
CDM-570/L	FW/10805BA	1.6.16	FW-0000120T	1.6.16
CDM-570/L	FW/10805BA	1.6.16	FW-0000120U	1.6.17
CDM-570/L	FW/10805BB	1.6.17	FW-0000120V	1.6.18
CDM-570/L	FW/10805BC	1.6.18	FW-0000120W	1.6.19
CDM-570/L	FW/10805BC	1.6.18	FW-0000120Y	1.6.21
CDM-570/L	FW/10805BC	1.6.18	FW-0000120AA	1.6.22
WAN Adaptation (WAD)				
CDM-570/L	FW/10805AK	1.7.1	FW-0000120C	1.6.2
CDM-570/L	FW/10805AM	1.7.2	FW-0000120D	1.6.3
CDM-570/L	FW/10805AP	1.7.3	FW-0000120E	1.6.4
CDM-570/L	FW/10805AT	1.7.4	FW-0000120F	1.6.5

Note base modem WAN Adaptation (WAD) does not support all the latest changes in non-WAD version 1.6.13. If WAD option is not installed only run the base modem v1.6.x for optimal compatibility.

Compatible SNMP MIBs

MIB Name	Filename	Date	MIB Notes
CEFD Root	FW/10874-2-.mib	8/20/2004	Must be compiled first
IP Module MIB	FW/10874-3F.mib	6/4/2009	Contains all IP Module specific OIDs
CDM-570 MIB	FW/10874-4L.mib	6/26/2015	Contains all CDM-570/L modem specific OIDs*
CDM-570 v1 Traps	FW/10874-5B.mib	7/9/2007	SNMPv1 trap support for CDM 570/L
CDM-570L BUC/LNB MIB	FW/10874-6C.mib	3/7/2007	Contains all CDM 570L modem BUC and LNB specific OIDs
CDM-570L BUC/LNB v1 Traps	FW/10874-7-.mib	1/26/2005	SNMPv1trap support for CDM-570L BUC & LNB specific traps

Note the SNMP MIB files are not needed for upgrading the IP Module; they are only needed if using an SNMP NMS / browser for SNMP monitor and control of a CDM-570 IP modem. They would be compiled on the NMS / SNMP browser, refer to compile instructions of the NMS / browser.

**Requires Base Modem version 1.6.19 or greater for full MIB Compatibility. See TT#11004*

Known Issue(s) In This Release

Functional

Functional Known Issues

None

Note for more detailed information on issues listed above please contact your Comtech EF Data representative.