

CDM-800 Version 1.4.4 Release

Applicability
Bulk Release 1.4.4 (FW-0000430T) for the CDM-800. Includes all related firmware and SNMP MIBs.

Rev #	Description	Date
-	Initial Release version 1.1.1	08/16/10
A	Release version 1.1.2	12/10/10
B	Release version 1.2.1	12/22/10
C	Release version 1.2.2	1/17/2011
D	Release version 1.2.3	4/11/2011
E	Release version 1.2.4	6/10/2011
F	Release version 1.2.5	8/29/2011
G	Release version 1.2.6	9/22/2011
H	Release version 1.3.1	11/17/2011
J	Release version 1.3.2	1/26/2012
K	Release version 1.3.3	2/17/2012
L	Release version 1.3.4	4/6/2012
M	Release version 1.4.1	5/15/2012
N	Release version 1.4.2	6/25/2012
T	Release version 1.4.4	9/13/2012

FSCM No. 4J515

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Introduction

Release 1.4.4 is a maintenance release.

Defect Fixes

- Defect #7332: AdvVSAT internal messaging (ACM, stats, VMS, etc) are now automatically classified and protected as the highest priority Qos and with MODCOD QPSK ¼
- Defect #7505: Multicast now passes on the “VCM Only” MODCOD for the matching Qos Group.
- Defect #7538: Diffserv counter now properly increment on the Qos Stats web page
- Defect #7562: Ports come would come up in wrong order with CTOG and communications with the CTOG would not initialize correctly. This no longer happens.
- Defect #7565: Carrier did not come up after reboot with CTOG if frames were set to short, this condition has now been rectified.
- Defect #7577: Unit would exhibit bumpy short frame switching, this has now been remedied.
- Defect #7624: Details to reach customer service were not displayed correctly.
- Defect #7648: Unit would sometimes not change from normal to short frames.
- Defect #7659: Firmware file size after upgrade would rarely be 0 – will now show the correct size
- Defect #7669: A memory leak in the Group Qos save/load function has been fixed. Prior to v1.4.4 this would eventually cause a reboot (particularly in 1:1 redundancy)
- Defect #xxxx: FPGA BERT logic fix was added.

Application Note – 1:1 Redundancy and ACM

When running ACM on the Return Links and CDM-800 1:1 redundancy with the CRS-170A/180 switches, care must be taken to make sure that all of the ACM messaging will work as expected.

It is necessary for the user to specifically enter the Traffic IP address for each CDM-840 into the CDD-880's ACM "remote IP" address field. Furthermore, a path for packets from the CDD-880 traffic port to the traffic port of the CDM-800 must be established.

When this configuration change is made, the Return Path messaging will always go through the traffic IP address which stays the same across redundancy switch-overs.

Network Upgrade Notes from 1.4.3 to 1.4.4

When upgrading to version 1.4.4, customers are required to follow this procedure:

1. Upgrade all CDM-880s to 1.4.3. Reboot the CDD-880s and verify traffic is passing.
2. Upgrade all CDM-800s to 1.4.4 first. Reboot the CDM-800s and verify traffic is passing.
3. Upgrade all CDM-840s to 1.4.3. Reboot the CDM-840s and verify traffic is passing.

Firmware Compatibility

The following table describes the compatibility between Advanced VSAT component versions.

Software Release Notification

CDM/ODM-840	CDM-800	CDD-880	VMS	CXU-810
1.2.x	1.2.x	1.2.x	N/A	N/A
1.3.1	1.3.1	1.3.1	3.8.1.1602	2.2.1
1.3.2	1.3.2	1.3.2	3.8.1.1635*	2.2.1
1.3.2	1.3.3	1.3.2	3.8.1.1635*	2.2.1
1.3.3	1.3.4	1.3.2	3.8.1.1635*	2.2.1
1.4.1	1.4.1	1.4.1	3.9.2	2.2.1
1.4.2	1.4.2	1.4.2	3.9.2	2.2.1
1.4.3	1.4.4	1.4.3	3.9.10	2.2.1

*Note the VMS will require CDM8XX-1.3.3 device driver update package.

Compatible SNMP MIBs

MIB Name	Filename	Date
CEFD Root	ComtechEFData.mib	2/14/2011
CDM-800 SNMP MIB	FW-0000431K_CDM800.mib	6/25/2012

Known Issue(s) In This Release

- Defect #6259: “Packets Dropped” statistic on the Traffic Stats → Modulator do not increment.
Workaround: Go the the total packets drops in Qos Group stats page.
- Defect #7408: CDM-800 does not automatically come out of “CTOG pass-through” mode when the CTOG-250 to CDM-800 ethernet cable is removed.
Workaround: If one is removing the CTOG-250 from the CDM-800, the a reboot of the CDM-800 is required to return the CDM-800 to standard packet processing mode.
- Defect #6467: When operating in 1:1 redundancy mode, Offline stats can not be cleared
Workaround: None
- Defect #7749: Multicast: Running multicast traffic at a VCM MODCOD that isn't supported in ACM mode results in OOS packets.
Workaround: Do not configure VCM MODCODs outside of ACM range when ACM traffic is expected.