

CDD-564A/564AL-Band and CDD-562AL-Band 1.5.9 Release

Applicability
Release 1.5.9 (FW-0020894K) for the CDD-564A/564AL-Band and CDD-562AL-Band. Includes all the firmware and SNMP MIBs.

Rev #	Description	Date
-	Release Version 1.3.1	04/06/2015
A	Release Version 1.3.2	05/20/2015
B	Release Version 1.4.1	08/12/2015
C	Release Version 1.4.2	11/23/2015
D	Release Version 1.4.3	07/12/2016
E	Release Version 1.5.1 (Not a Public Release)	10/13/2016
F	Release Version 1.5.2	01/04/2017
G	Release Version 1.5.5	11/19/2018
H	Release Version 1.5.6	06/28/2019
J	Release Version 1.5.7	03/24/2022
K	Release Version 1.5.9	03/09/2023

FSCM No. 4J515

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This Release

This Packet Processor release has the following change:

1.5.9 Features

- Added new packet drop statistics.

1.5.9 Fixes

- TT#15829 - Rebooting following combination of HDLC underflows and DMA FIFO underflows.
- Corrections to packet drop statistics.

Valid Configurations of Modem Firmware

The tables below identify the valid configurations of CDD-56xA/562L Firmware. Modems that are configured with firmware that does not match these configurations may not function as expected.

Compatible Bulk Versions

CDD-56xA/562L Bulk	VMS version
FW-0020894- (v1.3.1)	3.13.0
FW-0020894A (v1.3.2)	3.13.0
FW-0020894B (v1.4.1)	3.13.0
FW-0020894C (v1.4.2)	3.13.0 and 3.12.x
FW-0020894D (v1.4.3)	3.13.0 and 3.12.x
FW-0020894E (v1.5.1)	3.13.0 and 3.12.x
FW-0020894F (v1.5.2)	3.14.0 and 3.13.x
FW-0020894G (v1.5.5)	3.14.0 and 3.13.x
FW-0020894H (v1.5.6)	3.14.0 and 3.13.x
FW-0020894J (v1.5.7)	3.14.0 and 3.13.x
FW-0020894K (v1.5.9)	3.13.x+

Compatible SNMP MIB

MIB Name	Filename	Date
CDD-56xA/562L MIB	FW-0020899D_1_5_9.mib	03/09/2023

Note: The SNMP MIB files are not needed for upgrading the unit; they are only needed if using an SNMP NMS / browser for SNMP monitor and control of the CDM-56xA/562AL modem.

Change History

1.5.7 Fixes

- Fix traffic lockup caused by Out-of-Sync error.

1.5.6 Features

- Save Configuration To Backup PARAM Slot, along with autosave option.
- Support for configuring Dedicated Management Port Ethernet Modes (10H/10F/100H/100F/Auto)

1.5.6 Fixes

- Pings failing while in DM-Enabled mode with IGMP enabled.
- TT# 13711 - misaligned CLI menu items on Ethernet Menu when DM-Enabled/Disabled.
- Traffic Port not working in Manual Ethernet Modes (100-Half/Full).

1.5.5 Fixes

- TT15249 - CDD564AL datarate FAST options do not translate correctly when switched to compatibility mode. (Particularly 1100Kbps which was introduced in 564A mode)
- TT12638 – Statistics counters going negative on Web/SNMP.
- TT12629 - Status-UnitInfo displays the datarate wrongly or blank.
- TT12631 - Fix IGMP Not Working.

1.5.2 Fixes

- In 564A mode - Allow IESS315 on all FEC Types (TT# 12408)
- In 564 Compatible mode - Allow IESS315 Descrambler for Turbo, leave it On-Default for other FEC types.
- Support for Local SNR (EsNo)
- Not able to change Rx data rate while in 564 compatibility mode (TT# 12306)
- FAST options for higher data rate are reported wrongly in 564 compatibility mode.
- Rx Payload Compression is now made read only. Cannot be Enabled/Disabled (TT# 11822).

1.4.3 Fixes

- Router task stalls while parsing response of FTP command PASV, due to data exception.
- Support VMS redundancy, through updation of PARAM file save counts.
- Support up to 255 Filter Routes, instead of 20, which is the total size of the route table.

v1.4.2 Features

- Supports VMS version 3.12.x or greater when the modem is in 564 compatibility mode.

v1.4.2 Fixes

- Fixed the bug which RIPv2 does not function in Router Vipersat Mode, with Dedicated Management Port Enabled.

v1.4.1 Features:

- RADIUS
- Add number of active flows to CLI menu and SNMP

v1.4.1 Fixes:

- The subnet bits on admin->access webpage do not get rejected, TT#10879 Vipersat Fixes
- Improve Header compression performance by reducing memory fragmentation.
- Change processing of Route updates from VMS to work better under heavy load conditions.

v1.3.2 Features:

- Payload Decompression

v1.3.2 Fixes:

- Occasional WAN Rx Header Decomp Errors with multiple packet size streams
- Add support for logging call stack during exceptions
- Demod Status LNB Voltage displayed wrongly (SNMP/Web)
- Web page pops-up error message when frequency greater than 2150MHz is configured.

V1.3.1 Features:

- Initial Release of CDD562AL & CDD564A/L

Known Issues

Functional Issues

None

User Interface Issues

None