

B86486-01

CDAX unit

Release Notes

Document version: 3.12f
Release Date: December 4th, 2020
Type of Release: Production Release

Lentronics Multiplexers

JungleMUX SONET & T1 Multiplexers,



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TABLE OF CONTENTS

| | |
|----------------------------------|---|
| Table of Contents | 2 |
| Release Summary | 3 |
| Product/Component | 3 |
| Requirements | 3 |
| Documentation Control | 3 |
| Release Details | 4 |
| New Features | 4 |
| Limitations | 5 |
| Firmware Upgrade Procedure | 5 |
| Contacts | 5 |



RELEASE SUMMARY

PRODUCT/COMPONENT

- B86486-01 CDAX unit
- Board Issue: 803a
- Flash Version: 3.12f
- FPGA Version: 3.20
- Xilinx checksum 00E6E320
- Micro checksum 0062B623

REQUIREMENTS

- VistaNET version 5.12 or better

DOCUMENTATION CONTROL

| | | |
|--------------|--------------------|---------------------------------|
| Version 1.00 | Initial Release | October 22 nd , 2019 |
| Version 3.12 | Production Release | December 4 th , 2020 |



RELEASE DETAILS

NEW FEATURES

GE's B86486-01 CDAX units firmware has been updated with new firmware to improve the signal integrity of VT's connecting via Evolution Modules (p/n B86900-01) to a JunglePAX 1G+ Hybrid Optical Transport port. CDAX units terminating VT1.5 from a JunglePAX network must be upgraded with this firmware to ensure reliable communications. Furthermore, for stitched conversion services (within the JunglePAX Tie node), the JMUX VT cards must use RDI (remote defect indication) to align the switching mechanisms across the network.

It is not mandatory for customers to upgrade all their CDAX unit's firmware to 3.12f. Instead, customer may selectively install this firmware at CDAX locations that have terminating VT's from JunglePAX nodes. At those locations, both left and right companion CDAX units should be upgraded with this firmware.

Customers shall enable "Evolution Mode" in the Main CDAX Unit's VistaNET GUI in both left and right cards at these locations.

The screenshot shows the VistaNET GUI for a CDAX Unit (86486-01). The interface includes several sections:

- JIFport Info:** A table with columns for Slot, VT#, Status, CV, BER, Alarm @, CV, BER, Test Bytes XMT, and RCV. Slot 1 is highlighted with a red status 'AIS'.
- Drop Port Info:** A table with columns for Port S, Port R, Port Q, and Port P. The 'Switch on RDI' checkbox is checked and highlighted with a yellow arrow.
- Mode:** Includes 'Evolution Mode' which is checked and highlighted with a yellow arrow.
- Unit Monitor:** Shows 'Unit Status' as 'OK'.

On the right side, there is an 'About VistaNET' dialog box with the following information:

- Version: 5.12.17159
- Passport Version: 30
- Build date: 2020-12-04
- Web: www.imux.com
- E-mail: VistaNET@ge.com

Enable 'Evolution Mode' and 'Switch on RDI' for VT's facing an Evolution Module



LIMITATIONS

The following limitations are known to exist within the unit's firmware and software

- Switch on RDI must be enabled when the VT1.5 is 'stitched' within the JunglePAX Tie node.
- No other known limitations exist. This firmware can interoperate with remote CDAX pairs running previous firmware versions.

FIRMWARE UPGRADE PROCEDURE

A firmware upgrade facility will be provided. This will allow the user to upgrade the unit firmware via PC's USB-serial connection to CI port at front of the unit.

Please contact GE Multilin at Lentronics.TechServices@ge.com to receive the firmware upgrade facility.

CONTACTS

For additional details or technical assistance, you may contact:

Customer Technical Service

Burnaby, BC Canada

Phone: 1-604-421-8610

Lentronics.TechServices@ge.com