

B86485-02/-22

2nd Generation JIF-Share unit Release Notes

Document version: 2.04c
Release Date: December 4th, 2020
Type of Release: Production Release

Lentronics Multiplexers

JungleMUX SONET Multiplexers,



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RELEASE SUMMARY

PRODUCT/COMPONENT

- B86485-02 JIF-Share unit
- Board Issue: 2
- Flash Version: 2.04c
- FPGA Version: 3.18
- Xilinx checksum 00D71593
- Micro checksum 005E407C

REQUIREMENTS

- VistaNET version 5.12 or better

DOCUMENTATION CONTROL

Version 1.00	Initial Release	November 20 th , 2014
Version 2.00	Production Release	December 12 th , 2014
Version 2.04	Production Release	December 4 th , 2020



RELEASE DETAILS

NEW FEATURES

GE's new B86485-02 JIF-Share unit 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. JIF-Share 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 SOY to align the switching mechanisms across the network.

It is not mandatory for customers to upgrade all their JIF-Share unit's firmware to 2.04c. Instead, customer may selectively install this firmware at JIF-Share locations that have terminating VT's from JunglePAX nodes. At those locations, both left and right companion JIF-Share units should be upgraded with this firmware.

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

	JVT-S	JVT-R	JVT-Q	JVT-P
Status	OK	Chan Alarm	OK	OK
Output	Standby	NMS-Master	Standby	On-line
VT#	1	2	3	4
JVT Mode	Standard	Share	Standard	Standard
JIFport Slot	Slot #1	Slot #2	Slot #3	Slot #4
Priority	Right	-	Right	Left
Switch on RDI	Enabled	-	Enabled	Enabled
Force Off-line	-	-	-	-
Xmt Test Byte	-	-	-	-
Rcv Test Byte	-	-	-	-
BER/ CV Count	< 1e-6 36537	< 1e-6 36537	< 1e-6 36582	< 1e-6 36476
BER Alarm @	3.0 e-6	3.0 e-6	3.0 e-6	3.0 e-6
Far BER/Count	< 1e-6 50751	< 1e-6 50795	< 1e-6 51259	< 1e-6 51271

Unit Monitor
Unit Status: OK
Temperature: 40 °C

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 JIF-Share 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@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