Optiva EMCOREView Management & Control Suite

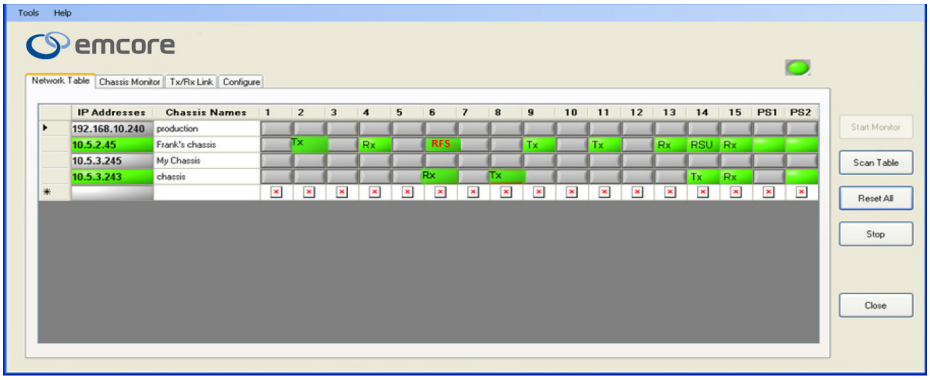
DATASHEET | DECEMBER 2015 SATCOM

Features

- 10/100 Ethernet Monitoring Interface
- Auto Detection of Signals
- Optical Bandwidth Analysis System Diagnostics
- Alert Log
- SNMP 1.0 Compatible
- Manageable by any SNMP GUI
- All User MIB's
- Compatible with any Optiva Enclosure
- 3-Year Warranty

The Optiva EMCOREView Management & Contol Suite makes remote monitoring and control of Optiva enclosures and modules simple. Through the utilization of Simple Network Management Protocol (SNMP), the Optiva EMCOREView Controller Card (Model OPV-CTLR-IC) operates under a uniform software platform which allows for efficient integration with other devices.

The Optiva EMCOREView Controller Card collects data coming from any Optiva enclosure and the Optiva EMCOREView Graphical User Interface Management Software analyzes and displays the data to the user. For example, it displays transmitter optical output, receiver optical input power, chassis alarm and status in real-time. In addition, Optiva EMCOREView monitors and displays card status such as laser and photodiode current, as well as module temperature.



The Optiva EMCOREView Controller Card can serve as an interface to any SNMP based management software, such as HP Openview Source, providing critical data and showing the connect/disconnect for data signals. The client retains the ultimate discretion of whether to use the Optiva EMCOREView software or an alternative, ensuring both independence and flexibility in system management. Also, by knowing the health of each remote card, the client can save trips to the install facility and manage switching to a back up card through the software.

A Management Information Base (MIB) is integrated within the Optiva EMCOREView Controller Card. The MIB collects, stores and provides all information required by the Network Management Software (NMS) to understand the data presented by the Controller Card. This means that regardless of which viewing medium you select, the designated software will receive all collected data.

The Optiva EMCOREView Controller Card occupies a single slot in any Optiva enclosure and can monitor all cards operating in the chassis. Optiva 16- and 6-slot enclosures will detect the presence of the Controller Card and notify the user via an "NMS" LED located on the front of the chassis. The Controller Card can connect to a LAN/WAN network via the Ethernet port.

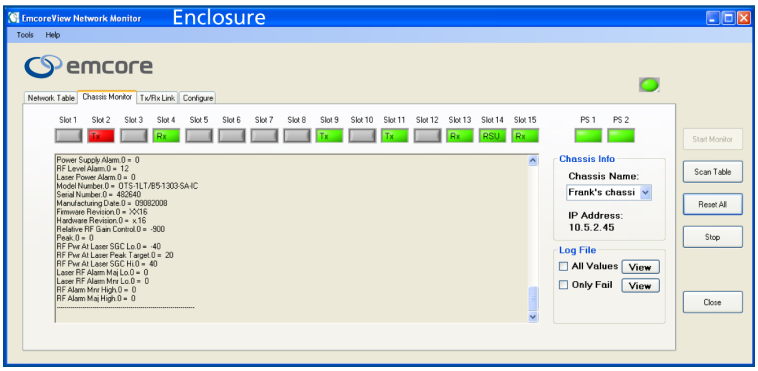
P +1 626-293-3400 E satcom-sales@emcore.com W www.emcore.com

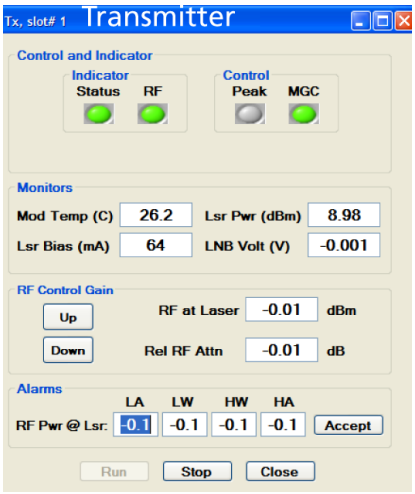
Optiva EMCOREView Management & Control Suite

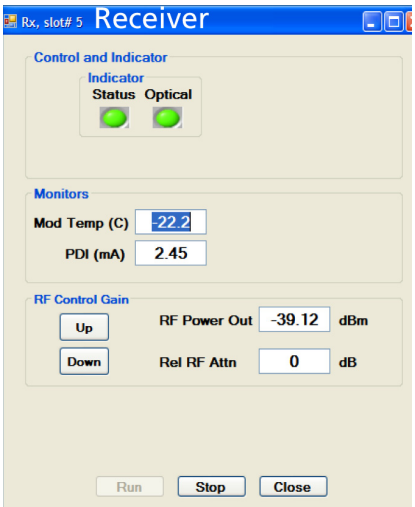
DATASHEET | DECEMBER 2015 SATCOM

Optiva EMCOREView Management and Control Applications*

Optiva EMCOREView Graphical User Interface (GUI) software provides an intuitive, user-friendly interface for simple yet comprehensive visual monitoring and control of fiber optic link performance and status. These features ensure that the user is constantly provided with critical data for essential optical system management and maintenance.







Optiva Enclosure GUI:

Monitoring

- Summary Alarm
- Enclosure Name
- Module Name & Status
- Slot ID
- IP Address
- Version # (HW, FW)
- OID

Control

- Add, Configure, Delete Chassis
- Enclosure Name
- Add, Configure, Delete Modules
- Module Name
- Slot ID
- IP address

Optiva Transmitter GUI:

Monitoring

- Module Status
- RF Status (L-band only)
- Module Temperature
- LNB Voltage (L-band only)
- Laser Power
- Laser Bias
- Gain Mode (L-band only)
- RF at Laser
- RF Attenuator
- Modulator Bias (MW-band only)
- Transmitter Key (MW-band only)

Control

- Gain Mode-SGC/MGC (L-band only)
- RF Attenuator
- Modulator Bias Reset (MW-band only)

Optiva Receiver GUI:

Monitoring

- Module Status
- Optical Status (L-band only)
- Module Temperature
- Photodiode Current
- RF Output Power
- RF Attenuator

Control

- RF Attenuator

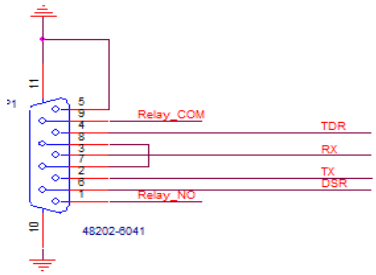
*Optiva EMCOREView supports other Optiva modules with its own GUI interface: RF Redundancy Switch (OTS-RSU), Optical Switch (OTS-OSU), Optical Amplifier (OT-2O). Please contact EMCORE for more information.

P +1 626-293-3400 E satcom-sales@emcore.com W www.emcore.com

Optiva EMCOREView Management & Control Suite

DATASHEET | DECEMBER 2015 SATCOM

DB9 -- Male Diagram



DB9 Pinout

Specifications	Values
1: Relay N.O	6: DSR
2: Tx	7: Internal loop
3: Rx	8: Internal loop
4: TDR	9: relay Common
5: Ground	

General Specifications

Specifications	Values
Dimensions (Insert Card)	6.69" L x 0.81" W x 5.06" H / 169.9 mm L x 20.6 mm W x 128.5mm H
Weight	11 oz. / 311.8 g
Operating Temperature	-20°C to +55°C
Storage Temperature	-40°C to +85°C
Humidity	0 to 95% (non-condensing)
Operating Voltage	12 VDC
Power Consumption	~ 1 Watt
Warranty	3 Years

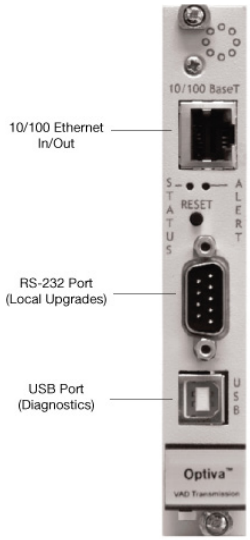
Enclosure Specifications

Specifications	Values
OT-CC-16F	Optiva 16-Slot 3 RU fan cooled rack-mount enclosure without power supplies (optional reversed or recessed mounting)
PS-200F	200 W power supply for the OT-CC-16F enclosure
OT-CC-6-1U	Optiva 6-Slot 1 RU rack-mount enclosure with built in fan and dual 60 W power supplies

Models

Model	Description
OPV-CTLR-IC	Optiva Platform, SNMP Network Management Controller Card
Optiva EMCOREView	Optiva Platform, Client Software (Windows 7 & XP)

Connection Diagram



OPV-CTLR-IC

Enclosure Options

FCC PART 15 COMPLIANT RoHS COMPLIANT CE MADE IN USA