OPV-CTLR-1-IC ORTELView *NextGEN* SNMP & Controller Card

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Features

- 10/100/1000 Ethernet monitoring interface
- Pluggable 1.25 Gbit SFP
- ARM Cortex A8 processor
- USB 2.0 Host Port
- System diagnostics
- SNMPv1, v2c & v3
- GUI Manageable by Embedded Web application
- All user MIBS
- Compatible with any Optiva enclosure
- 3-Year Warranty

Enclosure Options

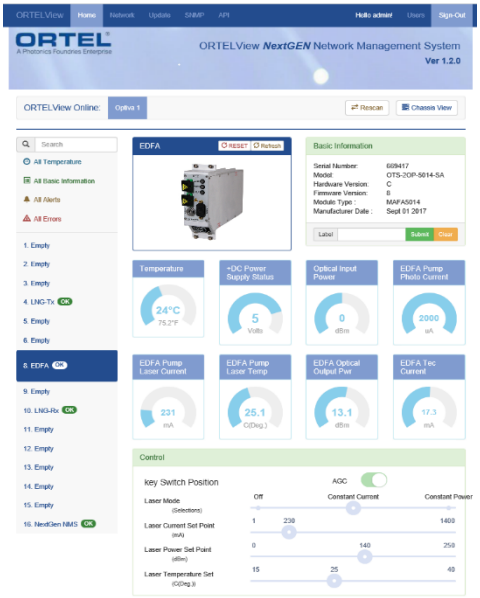
Compliance

239267

ORTELView SNMP & Controller Card

ORTELView makes remote monitoring of Optiva products simple The ORTELView Controller Card (Model OPV-CTLR-X-IC) operates under a uniform software platform which allows for efficient integration with other devices.

The ORTELView Controller Card collects data coming from any Optiva chassis and the ORTELView Graphical User Interface Management Software analyzes and displays the data to the user. For example, ORTELView displays Optical output power (Tx) and input power (Rx) in real-time.



The OPV-CTLR-X-IC Controller Card can serve as an interface providing critical data to any SNMP based Management Software, such as HP Openview Source and showing the connect/disconnect for data signals, 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 backup card through the software.

A Management Information Base (MIB) is integrated within the ORTELView 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 controller card occupies a single slot in any Optiva chassis and can monitor all cards operating in the chassis via the daisy-chained backplane. 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 OPV-CTLR-1-IC Controller Card can connect to a LAN/WAN network via the Ethernet port.

 | REV 2026.08

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Models

Model	Description
OPV-CTLR-1-IC	Next Gen SNMP Network Management Insert Card, Ethernet Only
OPV-CTLR-1-IC-A2/A2	Next Gen SNMP Network Management Insert Card, 1310
OPV-CTLR-1-IC-A3/A3	Next Gen SNMP Network Management Insert Card, 1550
OPV-CTLR-1-IC-A2/A3	Next Gen SNMP Network Management Insert Card, WDM
OPV-CTLR-1-IC-A3/A3	Next Gen SNMP Network Management Insert Card, WDM
OPV-CTLR-1-IC-L4YY/L4YY	Next Gen SNMP Network Management Insert Card, CWDM
OPV-CTLR-1-IC-MZZ/MZZ	Next Gen SNMP Network Management Insert Card, DWDM

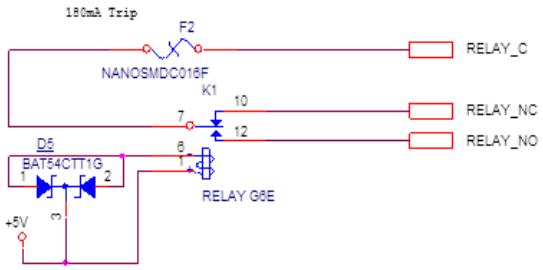
Enclosure Options

Specifications	Values
OT-CC-16F	Optiva 16-Slot 3RU fan cooled enclosure without power supplies (optional reversed or recessed mounting, optional single or dual 200w power supplies)
OT-CC-6-1U	6-Slot 1RU rackmount enclosure with built in fan and dual 60w power supplies

General

Specifications	Values
Dimensions (Insert Card)	6.69"L x 0.81"W x 5.06"H
Weight	11 oz.
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

Rly Diagram



Optical Specifications

Optical Code Options	Fibers	Wavelength (nm)	Min. Output Power (dBm)	Rx Sensitivity (dBm)	Optical Budget (dB)	Distance (km)	Connector Options
A2/A2	2	1310	-5.5	-12.5	7	10	LC
A3/A3	2	1550	-3.5	-20.5	17	40	LC
A2/A3[1]	1	1310/1550	-5.5	-17.5	12	20	SC
A3/A2[1]	1	1550/1310	-5.5	-17.5	12	20	SC
L4YY/L4YY[2]	2	1470 to 1610 (CWDM)	-2.8	-28	25	50 to 70	LC
MZZ/MZZ[3]	2	1528 to 1563 (DWDM C-Band)	0 (min) +4 (max)	-28 (min) -9 (max)	12 to 28	40 to 100	LC

Note 1: Use "XX/XX" as is for ordering transmitter models but reverse for ordering receive models.
Note 2: When ordering CWDM optics replace "YY" with the desired channel number
Note 3: When ordering DWDM optics replace "ZZ" with the desired channel number

CWDM Options

Optical Code Options "YY"	Wavelength (nm)
47	1471
49	1491
51	1511
53	1531
55	1551
57	1571
59	1590
61	1610

DWDM Options

22	1559.79
24	1558.17
26	1556.55
28	1554.94
30	1553.33
	1552.52
33	1550.92
34	1550.12
35	1549.32
36	1548.51
37	1547.72

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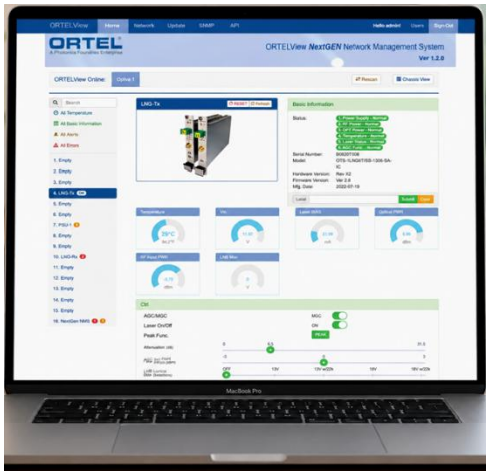
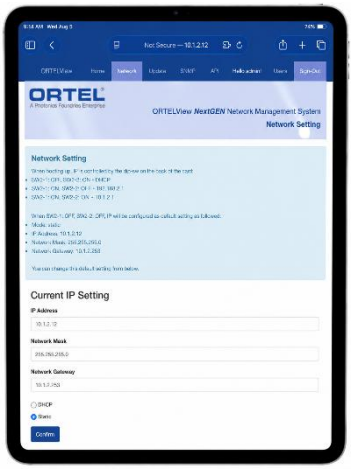
Multi-Platform Support



Computers

Windows, Mac OSX, Linux
Chrome, Firefox, Internet Explorer, Edge, Safari,



Tablets

Android, iOS, Windows
Chrome, Firefox, Safari, IE, Edge

Phones

Android, iOS, Windows
Chrome, Firefox, Safari, IE, Edge

ORTELView Management and Control Applications

ORTELView 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 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)

Monitoring

- Module status
- Optical status (L-band only)
- Module temperature
- Photodiode current
- RF output power
- RF attenuator

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