RF Over Fiber Systems
Horizons Controller

HRC-3 SNMP & Control Card

• HTML GUI Interface
• SNMP v1 and v2C compatible
• Built-in 3 port Ethernet switch
• DWDM and CWDM
• Hot swappable card
• Software and inventory management
• Auto card configuration

The ViaLiteHD HRC-3 rack card can be installed into the standard ViaLiteHD 19” rack shelf to monitor, log and raise alarms when events occur. The HRC-3 card utilizes SNMP protocol to communicate over Ethernet with the Horizons software package. If required, direct management of the HRC-3 is possible via a web browser, serial or CLI connections.

The HRC-3 card gives control of RF over fiber and all other card types installed in the same 19” rack chassis, as well as allowing LAN connectivity to additional HRC-3 cards and other Ethernet devices.

• Real-time monitoring and control of all ViaLiteHD modules and power supplies
• Multiple port options, up to 2x fiber and 1x Ethernet, 1x fiber and 2x Ethernet or 3x RJ45 Ethernet
• Easy integration with 3rd party Network Management Systems (NMS)
• All alarm information immediately accessible via any web browser or NMS
• Displays operational status, voltage, temperature and link status of installed cards
• Remote software update and inventory management

The built-in graphical user interface can be accessed from any standard web browser using the IP address of the HRC-3 card. Alternatively, the Horizons application can be used to monitor the same information.

ADVANTAGES

• Monitoring and Control of any ViaLite RF or support products
• Can be used in installation and test as well as operation
• User-definable Minor & Major alarm threshold
• User-definable RF & Optical alarm levels
• Maintenance mode for each module

RELATED PRODUCTS

• C-Band rack card
• L-Band rack card
• RF Switch card
• Splitter Rack card
• PSU cards
**TECHNICAL SPECIFICATIONS**

**Format**  
Plug-in module compatible with ViaLiteHD chassis, 7HP slot

**Indicators**  
- Front Panel LED “Power (RED/GREEN)”
- Front Panel LED “Rear RJ45 LINK (GREEN)”
- Front Panel LED “Rear Fibre LINK (GREEN)”
- RJ45 LED each with ACTIVITY (AMBER) and LINK (GREEN)

**Electrical signal/power connector**  
Plug-in module, user accessible via 19” Chassis backplane

**Module operating voltage**  
+12 V +/-0.5 V

**Module operating power**  
4W Typical

**Operating temperature**  
-10 °C to +50 °C

**Storage temperature**  
-40 °C to +70 °C

**Ambient relative humidity**  
10% to 95% (Non Condensing)

**Maximum weight**  
300 g

**RJ45 port**  
Up to 3 x 10/100/1000 MB/s (auto negotiating)

**Network standards**  
10/100/1000 BASE-TX

**Fiber port (SFP) Optional**  
Up to 2 x 1000 MB/s 1310 nm, 1550 nm, CWDM or DWDM

**Fiber SFP Optional**  
Single-mode 9/125, Corning SMF28 or equivalent

**Optical connector**  
LC/PC or FC/APC or E2000/APC or LC/PC

**Optical power**  
-11 dBm typical, Class 1 (10 km) up to +3 dBm (75 km)

**Serial Connector type**  
Micro-USB

**Interface cable**  
Standard micro-USB cable

**Serial data type**  
USB to RS232 Converter, 9600 bps, 8 data bits, 1 stop bit, no parity, no flow control

**SNMP agent**  
Supports SNMP version 1 and version 2C

**MIB**  
ViaLite proprietary MIB, RFC1213 compliant, supports MIB-II “system” group

**Horizons SNMP Desktop App**  
Horizons SNMP application for Windows

**HTTP Web Interface**  
Standard HTTP