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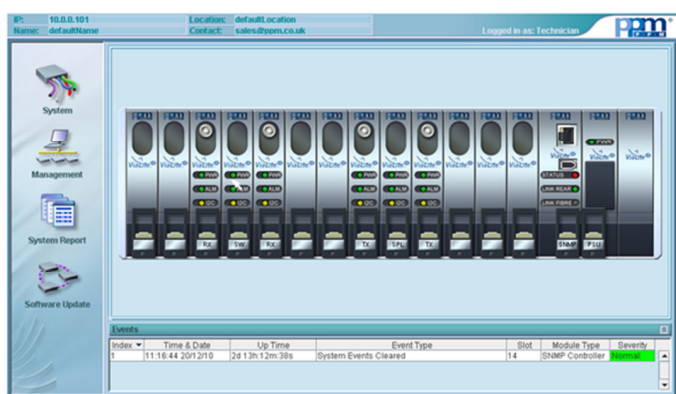
RF Over Fiber Systems Network module

- Monitor and control
- Operates over existing Ethernet networks
- Provides additional Ethernet connectivity over fibre
- Hot swappable
- Event logging and storage of events
- Auto configuration of replacement cards

MONITORING AND CONTROL

The ViaLiteHD network module uses the SNMP protocol to monitor and control RF over fibre equipment as well as offering an extension to existing Ethernet networks using optical fibre e.g. from a control centre to a remote ground station.

- Real-time monitor and control of all ViaLiteHD modules and power supplies.
- Four ethernet ports: one RJ45 port on card front; two RJ45 ports and one pair of optical ports on rear
- Easy integration with SNMP management systems
- All alarm information immediately accessible via any web browser or SNMP compliant management system



The built-in graphical user interface can be accessed from any standard web browser using the IP address of the SNMP network monitoring module.

- Can be used for installation or test
- User definable alarm thresholds for temperature and voltage
- User definable access levels

The open architecture allows management of the alarm information using a range of third party management systems when connected via the local area network as part of the users monitoring and control system.

A ViaLiteHD 19" 3U rack system accepts up to 13 RF cards plus an SNMP control card. A 1U chassis accepts up to three cards. ViaLiteHD small form factor modules offer a compact, single link solution. OEM modules allow system integrators and equipment manufacturers to build RF/optical interfaces into their own design. A wide range of support modules and accessories are also available including indoor rack equipment and outdoor enclosures.



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RF Over Fiber Systems Network module

ETHERNET PORTS, ELECTRICAL CHARACTERISTICS

Data rate, RJ45 ports	3 x 10/100 MB/s (auto negotiating)
Network standards	Fast Ethernet IEEE 802.3u (100BASE-TX)

ETHERNET PORT, OPTICAL CHARACTERISTICS

Data rate, fibre port	100 MB/s
Output power	-11dBm typical, Class 1
Wavelength	1310 ± 50nm
Fibre	Singlemode 9/125, Corning SMF28 or equivalent
Optical connector	2 * FC/APC or 2 * SC/APC
Optical path length	0m to 20km for 1310nm, with single-mode fibre
Optical power budget	>10dB (Typical fibre losses: Fibre: 0.4dB/km; Connectors: 0.5dB max.)

SNMP CHARACTERISTICS

Web Interface	Java
SNMP Protocol	v.1, v.2C

PART NUMBERS AND OPTIONS

H R C - 1 - 0 9 - 8 R - 0 0

Optical Connector
0: no optical connector
6: single mode FC/APC
8: single mode SC/APC

Options
0: no options
2: two optical connectors

MECHANICAL DIMENSIONS

