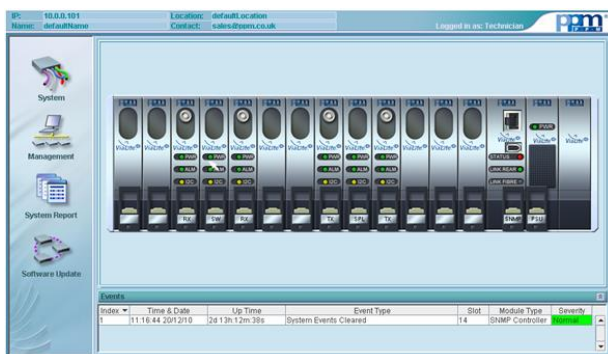# Network module

- *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 **ViaLiteHD** modules and power supplies. [Warning: This Device does not support products released after 2020; this includes Mil-Aero band Cards and Passive RF and Optical Cards]

- 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

- Firewire IEE1394 craft port for module initialisation and security settings

- Displays operational status, voltage and temperature of SNMP module

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*

Ethernet ports, electrical characteristics

	SNMP network control link
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

	SNMP network control link
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

	SNMP network control link
Web Interface	Java
SNMP Protocol	v.1, v.2C

Part Numbering

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

131mm

204mm

36mm