

SNMP Network Monitoring Module

- **Allows monitoring of ViaLite equipment status over existing Ethernet networks**
- **Easy integration with SNMP management systems**
- **Local serial port for configuration**
- **Compatible with all ViaLite racks and modules**
- **Field Upgradeable – supports all legacy ViaLite modules and racks**
- **Hot Swappable**
- **Event logging and storage of events**
- **User defined security and installation settings**

Monitoring and Control

The **ViaLite** range of fiber optic links connect antennas with control rooms, network operation centres or broadcast headends.

For many installations a critical requirement is the ability for overall system health to be monitored remotely. This is achieved using a **ViaLite** SNMP Network Monitoring Module which allows users to monitor the status all fiber optic modules and power supplies in a **ViaLite** rack. A single Network Monitoring Module also has the capability to monitor all modules in a second rack where required. By connecting to a LAN via the front mounted Ethernet port on the module all alarm information is immediately accessible via any web browser or SNMP compliant management system. A High Density DB-15 serial port is available for module initialisation and security settings.



LRC-1 Network Control Module

Status								
Card Slot	1	2	3	4	5	6	7	
Frame 1	0	1	1	0	1	1	1	
PSU Slot	1	2						
Frame 1 PSU	0	0						
Frame 1 Voltage	12.28 V							
Frame 1 Temperature	28.0 C							
Card Slot	1	2	3	4	5	6	7	8
Frame 2	1	1	1	1	1	1	1	1
PSU Slot	1	2						
Frame 2 PSU	1	1						

The built-in graphical user interface offers a representation of the **ViaLite** modules connected in the **ViaLite** rack. This interface can be accessed from any standard web browser using the IP address of the SNMP Network Monitoring Module. The operational status of the RF modules and the power supplies of any rack connected is displayed. The voltage and temperature of the SNMP module are also displayed. This page can be used when installing and commissioning a new **ViaLite** rack or as a local monitor to test operation of **ViaLite** modules installed.

The open architecture of SNMP module's MIB 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 & Control (M&C) system.



Technical Specification

Module Management	
Supported MIBs	RFC-1213, private MIBs
Monitored Parameters	Alarm outputs from 7 RF modules (primary rack) Alarm outputs from 2 power supplies (primary rack) Alarm outputs from 8 RF modules (secondary rack) Alarm outputs from 2 power supplies (secondary rack)
Connectors / Interfaces	
RJ-45 10M Ethernet (front panel)	IEEE802.3; 10BaseT compliant
High Density DB-15 (back panel)	Connection to second rack (if required/used)
Front Panel Indicator LEDs	"Power" – Module local supply voltage "Status" – Module status and activity
Operating Conditions	
Operating Temperature	0°C to +40°C
Storage Temperature	-40°C to +70°C
General Specifications	
Supply Voltage	+12VDC from LRK power supply
Weight	600g
19" Rack Compatibility	LRK1 & LRK2
Power Consumption	<1.3W
Part Numbering	
ViaLite SNMP Network Monitoring Module	LRC-1 (includes cable part number 73693 used for programming and configuration of LRC-1)
Connection cable (required for linking two LRK2S racks with one LRC-1 module)	73694

Compatible Modules

LRK2S	3U 8 Module Chassis
LPS-M	Main Power Supply Module
LPS-R	Reserve Power Supply Module
LRT-xx	ViaLite Transmit Module
LRR-xx	ViaLite Receive Module
LRD-x	RF Splitter Module
LRS-xx	1:1 Redundancy Switch
LSX-xx-xx	Ethernet or Serial Digital Module

Mechanical Dimensions

