

## ViaLiteHD<sup>®</sup> – 3U Rack Chassis

### 3U Rack Chassis

- Accepts up to thirteen *ViaLiteHD* RF/data rack chassis cards
- Up to 26 links per chassis
- AC or DC variants available
- Dual redundant power supplies
- Incorporates backplane PCB for distribution of DC power, alarm status and data
- Hot swappable chassis cards
- Fan assembly option available



The *ViaLiteHD* 3U rack accepts up to thirteen RF/data rack chassis cards, plus a SNMP monitoring and control module and dual power supply modules.

- Blind mate interface means RF cards can be swapped without changes to the cabling.
- D-type connectors provide access to data for each module.
- Alarms and analogue monitors routed to a SCSI-3 connector.
- External LNA/LNB voltage feeds via a SCSI-3 connector.
- Data bus allows transfer of data between modules.
- Full 1:1 redundancy features available using RF switches and splitters.

### Fan Assembly Option

A fan assembly can be incorporated into the 3U Rack Chassis, which contains 12 small fans that increase air circulation throughout the chassis. This makes it possible to install the rack in outdoor enclosures in hotter ambient conditions.

Further, the assembly increases the product lifetime of the chassis and its cards by improving the Mean Time Between Failure (MTBF) by reducing internal air temperature.



## Technical Specification

	19" rack mounting chassis
Max. no. of 5HP modules	13 (in slots 1-13 only) for RF/data/redundancy modules
Max. no. of 7HP modules	1 (in slot 14 only) for SNMP
Max. no. of 6HP modules	2 (in slots 15,16 only) for power supplies
Width	19" rack mounted equipment (approx. 483 mm)
Height	3U (5.25 inches = approx. 134 mm)
Depth	265 mm (approx. 10.4")
Maximum weight	1.8 kg (rack chassis ONLY)
Cooling	Convection (slots 1-14); Forced air (slots 15,16) exhaust at rear Optional fan assembly pushes air into the chassis
Ambient Temperature	-20 °C to +60 °C
Humidity	0-95%, non-condensing
Power supply compatibility	HPS-3, HPS-3-DC
Rack power input	AC = 2 x IEC 60320, 3 pins each
Chassis earth	Rear panel M4 stud
Data connector (each module position)	9 way Female D with screw-lock termination on back plane.
Alarm concentrator connector	J1: SCSI-3 Concentrates the alarms from each module to a common point on back plane. Type: 50 way connector Har-mik® female [SCSI-3]
Power concentrator connector	J4: SCSI-3 Allows input of external voltage feed Type: 50 way connector Har-mik® female [SCSI-3]
<b>ViaLiteHD</b> plug-in module compatibility	All types