RF Over Fiber Systems
Optical Switch

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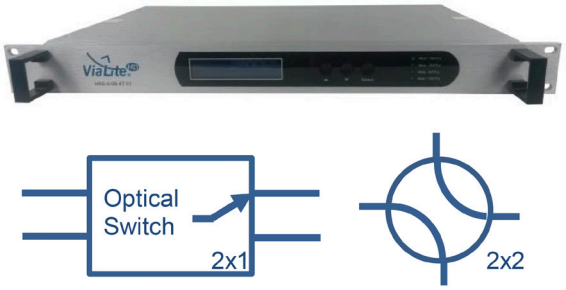
Optical Switch

- DWDM & CWDM support product
- 2x1 & 2x2 way optical switch
- Low insertion loss
- SNMP and serial control
- Front panel controls
- Fast switching time (20 ms)
- Standard 5-year warranty



The ViaLiteHD Optical Switch has been designed specifically for fast switching between local and remote locations in Ka-Band satcom diverse antenna applications.

The 2x2 switch allows system configurations to be switched between local and diverse sites as well as having the capability of feeding the off-air optical signals into a monitoring receiver when not being used.

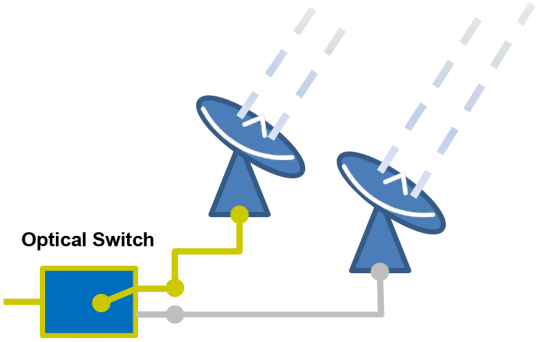
This allows the user to have an alarm status of their off-air channels thus improving system confidence and availability. Standard 2x1 switches are also available.

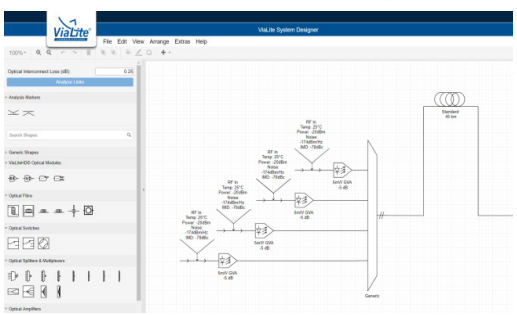
APPLICATIONS

- Ka-Band diversity systems
- Fixed satcom earth stations and teleports
- Broadcast facilities
- VSAT hubs (IP gateways)
- Television Receive-Only (TVRO)

RELATED PRODUCTS

- 50 km CWDM systems
- Optical Amplifiers (EDFA)
- Delay Lines
- DCMs
- Lossless Optical Splitter





ViaLite System Designer

For complex designs where multiple DWDM products are required the System Designer tool is essential for predicting and validating performance results.
The software uses a drag and drop approach from a pallet of products. Once designed, the analyzer can be run to give end-to-end system results and these can then be saved as a detailed PDF.
Please ask our sales team for more information.

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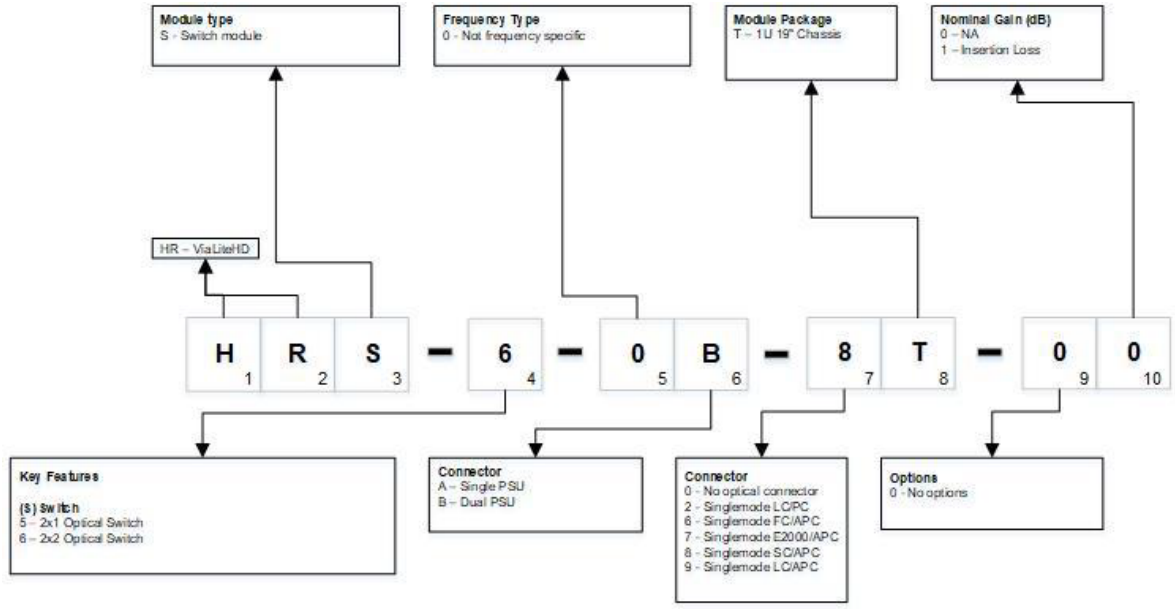
PRODUCT CONFIGURATOR



POPULAR PRODUCTS

HRS-6-0B-8T-00 - 2x2 Optical switch 1U 19" rack mount with dual redundant PSU's

TECHNICAL SPECIFICATIONS FOR 2x2 SWITCH

Performance		Index			Options
		Min.	Typ.	Max.	
Optical	Wavelength range (nm)	1528		1620	
		1260		1620	
	Insertion loss (dB)		1.6	2	
	Return loss (dB)	55	60		
	Switch cross talk (dB)	55	60		
	PDL (nm)			0.2	
	Switching time (ms)			20	
	Fiber type	9 / 125			
	Optical connector	FC/APC, FC/PC			Optional SC, LC
General	10/100M Ethernet interface	RJ45			
	Fiber type	SNMP			
	Optical connector	RS232			
	Power supply (VAC)	90		265	50 / 60 Hz
	Work temp (°C)	-20		65	
	Storage temp (°C)	-40		85	
	Operating relative humidity (%)	5		95	
	Size (W) x (D) x (H)	19 10 1.75inches - 483 254 44mm			

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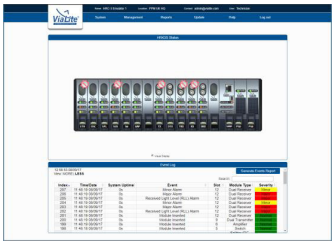
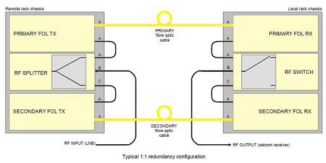
ACCESSORIES

SNMP/Web Browser Card



- Easy to use graphical user interface (GUI)
- Real time monitoring of card performance
- Alarm monitoring and event logging
- Control of gain adjustment
- Compatible with all ViaLiteHD rack chassis and cards
- Easy integration with network management systems (NMS) using management information base (MIB) tables
- Actively manage redundancy switching
- New RF cards can be automatically reprogrammed with the previous card parameters
- Remote SNMP to local SNMP connection via optical fiber
- Provides remote LAN 10/100 Ethernet link

Dual Redundancy



- 1:1 redundancy for L-Band
- Maximises link up-time
- Can be used to backup copper coax
- Manual and automatic control via SNMP
- Flexible configuration options
- Other redundancy options available

Rack Chassis

- 3U accepts up to 13 RF or Support cards, plus an SNMP card and dual power supplies
- A 1U chassis accepts up to 3 RF or Support cards or 2 cards and an SNMP card (with dual power supplies)
- Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required
- Blind mate option
- All modules hot-swappable and auto-reconfigure with SNMP option
- On-card LNB and BUC power options
- Power fed through rear chassis connector to card Bias Tees
- System can be monitored and controlled remotely via SNMP using a web browser

Outdoor Enclosures

- CE approved and EMC compatible
- IP rated and NEMA approved
- Plug and play format
- Suitable for harsh environments
- All modules hot swappable
- Dual redundant power options
- Interface for monitor and control (M&C) systems

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