4 Channel Bi-directional Data

Model: VDS1040-T VDS1040-R

Description

The VDS1040 model provides for the simultaneous transmission of 4 bi-directional data signals over one multimode or single mode optical fiber



CHANNEL AVAILABILITY

Forward Path	Reverse Path
0 to 1	0 to 1
0 to 2	0 to 2
0 to 4	0 to 4
	0 to 1 0 to 2

Features

Number of Ethernet

- 4 -channel data transmitters and receivers
- · Anti-lightning chips on both Video and Data interface
- No In-field Electrical or Optical Adjustments Required
- Power, Video Presence, Data In/Out, and Fiber Status Indicating LED's to Monitor System Performance
- Hot swappable rack-mount cards
- Standalone and Rack-mountable
- 12 VDC or 24 VAC power supply
- Industry standard connectors

Ordering information

Models	Wavelength	Fiber Type	MAX. Distance	
VDS1040-MT	1310/1310nm	MM	41/100	
VDS1040-MR		IVIIVI	4Km	
VDS1040-MT	1310/1550nm		SM	20km
VDS1040-MR		Sivi	(40/60/80 km optional)	

^{*}Optical transmission distance is limited to optical loss of the fiber and additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. **For 50/125 Fiber, subtract 4 dB from optical power budget.









Specifications

Power/Environmental

6W Stand-alone Rack-mount 6W

Power adaptor 220VAC to 12VDC/1A

Operating temperature -40°C to +70°C

< 95% Relative humidity

(non-condensing)

MTBF >100,000 Hrs

Data

RS-232, RS-422, 2 or Data Protocol 4-wire RS-485 and

Manchester DC to 115 Kbps

Data rate Data Rate: <10⁻⁹

Connectors Terminal Block with

Screw Clamps

Optical

Wavelengths 1310/1550nm SM/MM Fiber type Budget (system) 12dB

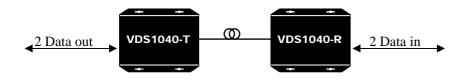
-5 ~ −10dBm Output power Receiver Sensitivity -24dBm Connector type FC (SC or ST optional)

Mechanical

260L x 205W x 45H Stand-alone Dimensions (mm) Rack-mount Dimensions (mm) 260L x 173W x 40H

Stand-alone Weight (kg) 2.5 Rack-mount Weight (kg) 1.5

System Design



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