

2 Channel Bi-directional data

Description

The VDS1020 model provides for the simultaneous transmission of 2 bi-directional data signals over one multimode or single mode optical fiber



CHANNEL AVAILABILITY

(Specify at time of order)	Forward Path	Reverse Path
Number of Video	0 to 1	0 to 1
Number of Audio	0 to 2	0 to 2
Number of Data	0 to 3	0 to 3

Features

Number of Ethernet

- 2 -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
VDS1020-MT	1310/1310nm	MM	4Km
VDS1020-MR	1310/13101111	IVIIVI	
VDS1020-MT	1310/1550nm	SM	20km
VDS1020-MR	1310/13301111	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

Stand-alone 6W Rack-mount 6W

Power adaptor 220VAC to 12VDC/1A
Operating temperature -40°C to +70°C

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Relative humidity < 95%
(non-condensing)</pre>
MTBF >100,000 Hrs

Data

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

4-wire RS-485 and Manchester

Data rate DC to 115 Kbps

Data Rate: <10⁻⁹

Connectors Terminal Block with

Screw Clamps

Optical

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

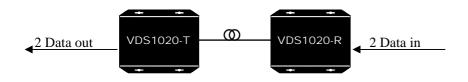
Output power $-5 \sim -10 dBm$ Receiver Sensitivity -24dBm Connector type FC (SC or ST optional)

Mechanical

Stand-alone Dimensions (mm) 260L x 205W x 45H 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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Due to our continued effort to advance technology, product specifications are subject to change without notice.