

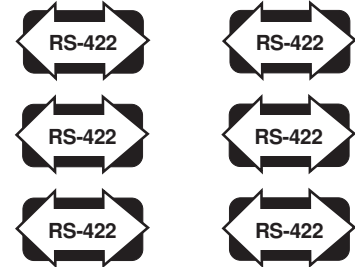


MERIDIAN
TECHNOLOGIES

DXA/DXB-6F/6F

DigiFlex

Digital Full Duplex 6 Channel
RS-422 data



FEATURES:

- 6 Channels of Full Duplex RS 422 data
- Wide Optical Dynamic Range:
Eliminates Need For Optical Attenuators
- Laser Based Systems for Multimode and Singlemode
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- SpectraSmart™ Network Management Compatible
- Local LED Status Indicators to Monitor Critical System Diagnostics for Performance Parameters
- ST, FC Optical Connector
- Hot Swappable Cards
- Laser Back - Biased Photo Detector Circuitry for Stable Optical Output Over Full Temperature Range.
- DB 9 Type Connectors for Data
- DC to 1 Mb/s Data Rate

DESCRIPTION:

The DX-6F/6F series is a reliable, cost effective, one fiber, state-of-the-art, six Channels of full duplex RS-422 Data transmission system. This fiber optic system transmits in real-time on one Singlemode or Multimode fiber. The functionality of DV-6F/6F series are further enhanced by its compatibility with Meridian's PC based SpectraSmart, Network Management and Remote Diagnostic Software System. SpectraSmart supervises the operating parameters of the transmission system such as status on Audio Parameters, carrier detect, voltage, temperature, optical levels, data activity etc. See the SpectraSmart brochure for more details.

CONFIGURATIONS:

The DX-6F/6F product family is available as rack mount cards and modules that can be installed in all of Meridian's card chassis, desk chassis and 19" racking frames. These system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be made a standalone system by using the SR-1000/S, 2 slot desk / wall mount chassis (87VAC-264VAC)

MARKETS:

Security and Surveillance
Access Control Systems
Intercomms

SPECIFICATIONS:

Data

Formats.....	RS-422
Rate.....	DC to 1Mb/s
Bit Error Rate.....	10 ⁻⁹ *
	* measured @ max. optical budget

Optical

Fiber Data Rate	270 Mb/s
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Connectors

Optical	ST, FC
Power	See SR-1000 Brochure for details
Data	DB9 Female

Power **

Card	8 Watts
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Indicators (LEDs)

1 - Green	Power On
1 - Bi-color	TX Carrier/ Laser Over Current
1 - Bi-color	RX Carrier - Present / Error
1 - Bi-color	RX optical signal - Present / Absent
2 - Green	Data Present (per chasnnel)

Physical

Dimensions:	
Card	160 mm (6.3") L, 100 mm (4") W 44 mm (1.7") H
Weight:	
Card	450 gms (16 Oz)
No. of Slots.....	2

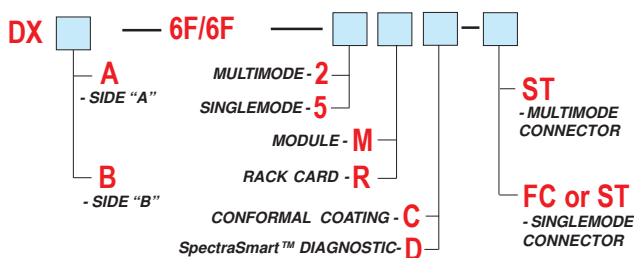
Enviromental

Operating Temperature.....	-40°C to +74°C
Storage Temperature.....	-55°C to +85°C
Relative Humidity.....	0 to 95% Non-condensing

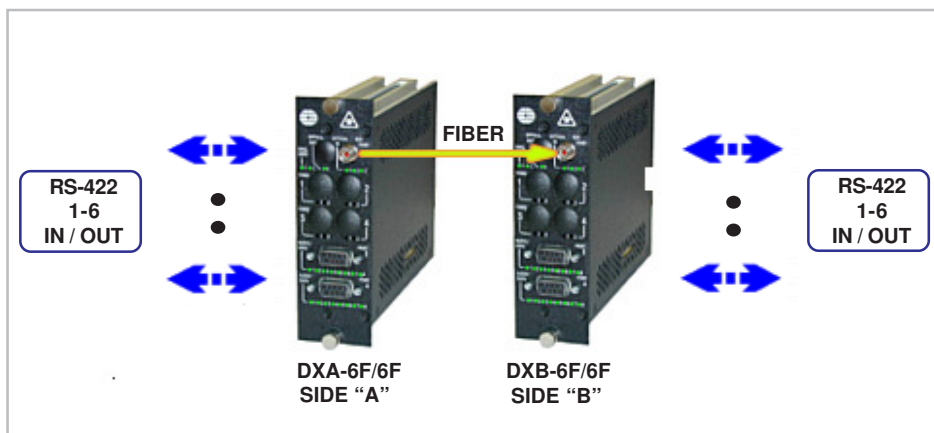
Quality

MTBF.....	>220,000 hours @ Ground Fix 35°C per MIL217F
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Part Numbers:



NOTE: ADD THE SUFFIX "D" AT THE END OF THE PART NUMBER FOR DIAGNOSTICS



OPTICAL:

Fiber Type/Size (um)	Optical Output (dBm)	Receiver Sensitivity (dBm)	Optical Budget (dB)	Wavelength (nm)	Optical Connector	Optical Dynamic Range (dB)
Multimode (FP Laser) 62.5 / 125	-3 / -5	-23 / -22	20 / 17	1300 / 850	ST	23
Singlemode (FP Laser) 9 / 125	-3 / -3	-23 / -23	20 / 20	1310 / 1550	ST, FC	23
Singlemode (DFB Laser) 9 / 125	+3 / +3	-23 / -23	26 / 26	1310 / 1550	ST, FC	23