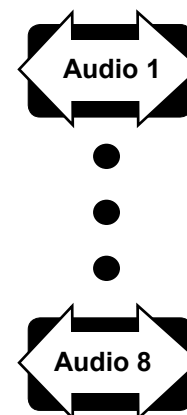


Digitally Encoded Eight Channels 24-Bit Audio
 using Small Form Pluggable (SFP)
 Optical Device



FEATURES:

- 8 Bi-directional Channels of 24-Bit Audio
- Multimode, Single-mode and CWDM fiber options via SFP modules
- Wide Optical Dynamic Range: Optical Attenuators are Never Needed
- LC, SC Optical Connector (SFP dependent)
- Local LED Status Indicators to Monitor Critical System Diagnostics and Performance Parameters
- Hot Swappable Rack Cards
- Surface Mount Technology (SMT) for High Reliability and Repeatability
- *SpectraSmart* Network Management Compatible
- Meets NEMA TS1 / TS2 & CALTRANS Specifications
- Utilizes Internal Switching Power Supplies
- Automatically Resettable Solid-State Current Limiters on All Power Lines: Provides Equipment Protection
- DB 9 Type Connectors for Audio

DESCRIPTION:

The DXA/DXB-8A-SFP system incorporates a new digital encoding technology. This fiber optic unit transmits eight channels of Bi-directional Audio signals over single-mode or multimode fibers.

This product incorporates the industry standard Small Form Pluggable (SFP) optical device. This SFP gives you the option for either singlemode, multimode or CWDM wavelength selections by simply plugging in the appropriate SFP module. The functionality of the DXA/DXB-8A-SFP is further enhanced by its compatibility with Meridian's PC based *SpectraSmart* Network Management & Diagnostic Software system. *SpectraSmart* supervises the operating parameters of the transmission system such as the status on digital carrier detect, voltages, temperatures, optical levels, laser currents, power supply parameters etc. See *SpectraSmart* brochure for further details.

CONFIGURATIONS:

The DigiFlex™ products are available as rack mount cards and modules that can be installed in Meridian's card chassis, desk chassis and 19" racking frames. These systems can be configured in either star (module to rack) or trunking (rack to rack) configurations and can be made a standalone system by using the SR-1002, 2 slot desk / wall mount chassis (87VAC-264VAC).

MARKETS:

- ✓ Security and surveillance
- ✓ CCTV Networks
- ✓ Intercomms
- ✓ Highway Emergency Stations

SPECIFICATIONS:

Audio

I/O Impedance	600 Ohms (Bal. / Un Bal.)
Frequency Response	10 Hz to 20 KHz
SNR	>90dB (Weighted)@ 1 KHz
In/Out Level	-8 to +8 dBm (4Vp-p max.) (+18 dBm available on request)
Total Harmonic Distort	<0.01% @ 1KHz
Resolution	24 Bit

Power*

Card	8 Watts
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Connectors

Data	DB 9F
Optical	LC, SC - SFP dependent
Power (standalone module)	See SR-1002 Specs.

Optical

Bandwidth	250 Mb/s
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Enviromental

Operating Temperature	-34°C to +74°C
Storage Temperature	-55°C to +85°C
Relative Humidity	0 to 95% Non-condensing

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
8 - Red	Audio Overload (One per Channel)
8 - Green	Audio Present (One per Channel)
8 - Bi-color (Optional)	Card Diagnostics

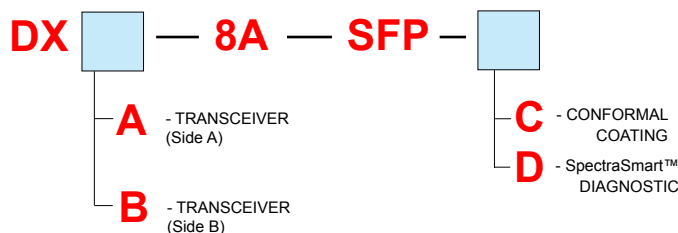
Physical

Dimensions:	
Card	160 mm (6.3") L, 127 mm (5") H 44mm (1.7") W
Weight:	
Card	600 g (1.32 lb)
Number of Rack Slots	2

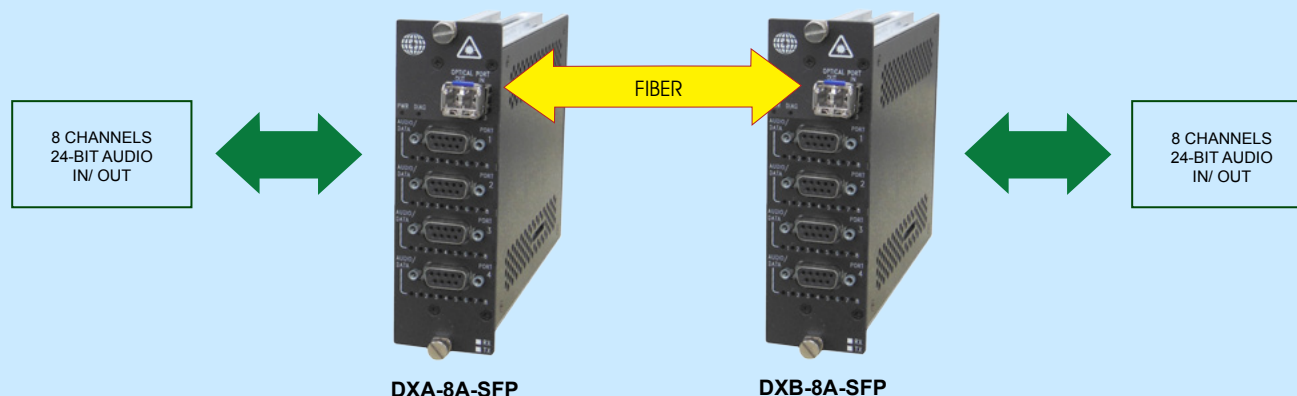
Quality

MTBF	>200,000 hours, @ 35°C Ground Fix as per MIL 217F
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Part Number:



* Due to variations of drivers and diagnostic options, power shown @ max value



SFP OPTIONS:

The SFP series products are available for both singlemode and multimode fiber applications and either one or two fiber versions.

Recommended optical speed for this product is 155 Mb/s .

For more specifications on a SFP optical devices go to **SFP data sheet** or go to:

WWW.MERIDIAN-TECH.COM -> PRODUCTS -> ACCESSORIES -> SFP OPTICAL DEVICES