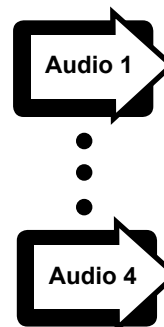


Four Digitally Encoded 24-Bit Audio
 using the Industry Standard Small Form
 Pluggable (SFP) Optical Device



FEATURES:

- 4 Channels of real-time 24-Bit, unidirectional Audio
- Multimode, Singlemode and CWDM, over one or two fibers via SFP modules
- Expandable to 16 channels of uni-directional Audio
- 10Hz to 20KHz audio bandwidth
- Greater than 90dB SNR for superb audio quality
- Wide Optical Dynamic Range: Eliminates Need For Optical Attenuators
- LC, SC Optical Connector (SFP dependent)
- 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
- Hot Swappable Cards
- Laser Back - Biased Photo Detector Circuitry for Stable Optical Output Over Full Temperature Range
- DB 9 Type Connectors for Audio

DESCRIPTION:

The DT/DR-4A-SFP series is fiber optic transmission system that takes advantage of Meridian's digital encoding technology and transmits following signals:

- Four Channels of real-time 24-Bit Audio

System is employing 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 versatility of this system is 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 video levels, sync, carrier detect, voltage, temperature, optical levels, data present etc. See the *SpectraSmart* brochure for more 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-1000, 2 slot desk / wall mount chassis (87VAC-264VAC).

MARKETS:

- ✓ Pro Audio
- ✓ Courtroom & broadcast audio feeds
- ✓ Distance Learning

SPECIFICATIONS:

Audio

In/Out Impedance	600 Ohms (Bal. / Un Bal.)
Frequenct Response	10Hz to 20KHz
SNR	>90dB (Weighted) @ 1KHz.
In / Out Level	-6 to +6 dBm (4VP-Pmax.) (+18dBm available on Request)
Total Harmonic Distortion	< 0.01% @ 1 KHz
Resolution	24 Bit

Optical

Fiber Data Rate	250Mbps
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Connectors

Optical	LC, SC - SFP dependent
Audio	DB9 Female

Power*

Card	8 Watts
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Environmental

Operating Temperature	-40°C to +75°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
4 - Red	Audio Overload
4 - Green	Audio Present

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

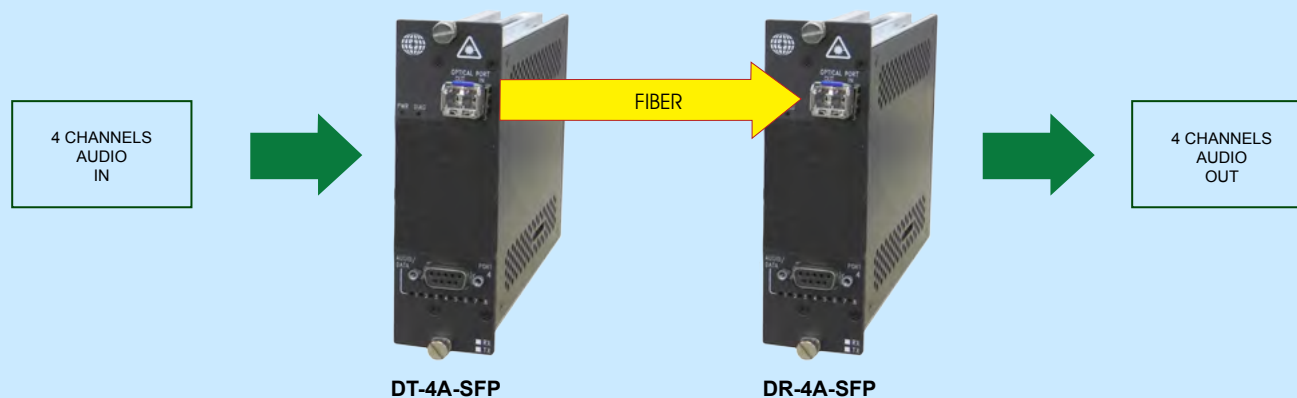
Quality

MTBF	>220,000 hours @ Ground Fix 35oC per MIL217F
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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 clicking [here](#) or

go to: **WWW.MERIDIAN-TECH.COM -> PRODUCTS -> ACCESSORIES -> SFP OPTICAL DEVICES**