



**9P58SL
Series
Singlemode**

Single Fiber Bi-directional Transceiver

1 Multi-Protocol Data and 1 Audio (Digitized 24 Bit)

FEATURES:

- Diagnostics: Data, Audio, Power & Optical Presence
- 24Bit Digital Audio
- Automatic Resettable Fuses on Power Lines

SPECIFICATIONS:

Data :

Interface.....Selectable Multi-protocol
Choice of: RS485 (2 or 4 wire)
 RS422
 RS232
 Manchester

Format Asynchronous
Rate DC to 115 Kbit/s
Connector Terminal Block

Audio:

I/O Level @ 600 Ohms0 dBm
Bandwidth 20 Hz to 10 KHz
THD @ 1 KHz 1%
SNR 80 dB
Connector Terminal Block

Optical:

Wavelength.....1310/1550 nm
Loss Budget (9/125µ)..... 21dB
Connector..... FC

Environmental

Operating Temp.....-40°C to +75°C
Storage Temp.....-40°C to +85°C
Humidity....0% to 95%(non-condensing)
MTBF.....>100,000 hours

Power Supply:

Module – 12 VDC (AFI Part # PS-12D)
Rack Card – AFI SR 20/2

Size:

Module..... 8 1/8" x 4 1/8" x 1 1/8"
Rack Card 1 rack slot 6 1/2" x1"x5"

Product Ordering Information:

MT-9P58SL Module Transmitter
MR-9P58SL Module Receiver
RT-9P58SL RackCard Transmitter
RR-9P58SL Rack Card Receiver



The American Fibertek 9P58SL Series transmits 1 multi-protocol (choice of RS485, RS422, RS232, or Manchester) data channel and 1 audio channel (digitized 24 Bit) on one singlemode optical fiber. This link is capable of providing an optical loss budget of 21dB utilizing WDM and 1310nm / 1550nm wavelength lasers.

Designed to be completely transparent, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR20/2 or SR-20H/2 (redundant power supply option).

