



**486  
Series  
MULTIMODE**

# Panasonic PS Data System – Two RS-485-2 Wire Channels

**FEATURES:**

- ◆ Two RS485 Channels - 2 Wire Interfaces
- ◆ Switch Selectable Terminations
- ◆ DC to 115 Kb/s
- ◆ Activity Indicators for Data Tx and Rx for each Channel
- ◆ Only One Fiber Required
- ◆ Hot Swappable

**SPECIFICATIONS:**

**RS485:**

Data Rate: ..... DC to 115 Kb/s  
Connector ..... RJ-12

**OPTICAL:**

Wavelength:..... 1310/1550 nm  
Source: ..... Laser  
Loss Budget (62/125 u) ..... >12 dB  
Connector: ..... ST

**POWER:**

Voltage ..... 12 VDC  
Current ..... < 350mA  
Connector..... 2 Pin Terminal Block

**Power Supply:**

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

**PHYSICAL:**

Temperature..... -20 to 70 °C  
Humidity ..... 5 to 95 %

**Size:**

Module ..... 4¼" x 4¼" x 1⅛"  
Rack Card - One Slot 6½" x 5" x 1"



The American Fibertek 486 Series transmits and receives two channels of RS485-2 Wire data over a single multimode optical fiber. The system is comprised of transceivers forming a point-to-point or multi-point communications link.

The system is designed to be compatible with the Panasonic PS Data protocol including the RJ-12 interface.

For ease of installation, 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: SR-20/1, SR-20/2 or SR-20R/1.

**ORDERING INFORMATION:**

- MTX-486 = One Fiber Module Multimode ST Connectors 1310nm Tx
- MRX-486 = One Fiber Module Multimode ST Connectors 1550nm Tx
- RTX-486 = One Fiber Rack Card Multimode ST Connectors 1310nm Tx
- RRX-486 = One Fiber Rack Card Multimode ST Connectors 1550nm Tx