RS485 Transceiver Data System

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FEATURES:

- RS-485 Transeciver
- Diagnostic: Optical Presence, Power, and Transmit/Receive
- LED Indicator
- Singlemode or Multimode Optics
- 2-Wire or 4-Wire Systems

SPECIFICATIONS:

Data:
   Data Rate....................................up to 38.4 Kbps
   Data Connector ....5 pin screw terminal

Optical:
   Wavelength ....850 nm
   Loss Budget (62.5/125µ)...........................17 dB
   Optical Connector...ST

Temperature (Operating):
   -20°C to +70°C, non-condensing

Power Supply:
   Module - 12 VDC (AFI Part #: PS-12)
   Rack Card - (See AFI Part #: SR-20/1)

Size:
   Module -2⅝" X 5¾" X 1⁵⁄₁₆"
   Rack Card requires one rack slot - 6½" x 1" x 5"

ORDERING INFORMATION:

   MX-485-2 = 2-Wire Module Transceiver
   MX-485-4 = 4-Wire Module Transceiver
   RX-485-2 = 2-Wire Rack Card Transceiver
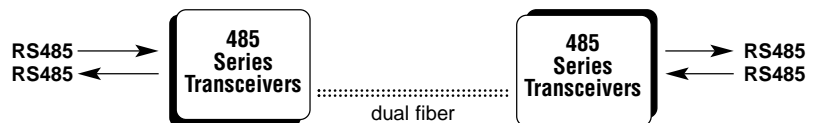   RX-485-4 = 4-Wire Rack Card Transceiver

Example: MX-485-2 to RX-485-2

The American Fibertek 485 Series transmits and receives high-quality, 2-Wire or 4-Wire RS485 data on dual multimode optical fibers. Designed for continuous long-range, interference free data transmission, these systems require 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: SR-20/1 or SR-20R/1.

PRODUCT ENHANCEMENTS:

485-2-13 Series   2-Wire RS-485 with a loss budget of 17dB @ 1300 nm multimode wavelength.
485-4-13 Series   4-Wire RS-485 with a loss budget of 17dB @ 1300 nm multimode wavelength.
485-2-S Series   2-Wire RS-485 with a loss budget of 17dB @ 1300 nm singlemode wavelength.
485-4-S Series   4-Wire RS-485 with a loss budget of 17dB @ 1300 nm singlemode wavelength.

RS485 Data Repeater System

FEATURES:

- RS-485 Repeater
- Diagnostic: Video, Optical Presence, Power, and Bi-Directional Transmit/Receive
- LED Indicators
- Singlemode or Multimode Optics
- Drop and Insert Capability
- 2-Wire and 4-Wire Factory Set
- Up to 8 Repeats

SPECIFICATIONS:

Data:
    Data Rate....................................up to 38.4 Kbps
    Module Data Connector....... 6 pin screw terminal
    Rack Card Data Connector....4 pin screw terminal

Optical:
    Wavelength ....850 nm
    Loss Budget (62.5/125µ)...........................15 dB
    Optical Connector ....ST

Temperature (Operating):
    -20°C to +70°C, non-condensing

Power Supply:
    Module - 12 VDC (AFI Part #: PS-12)
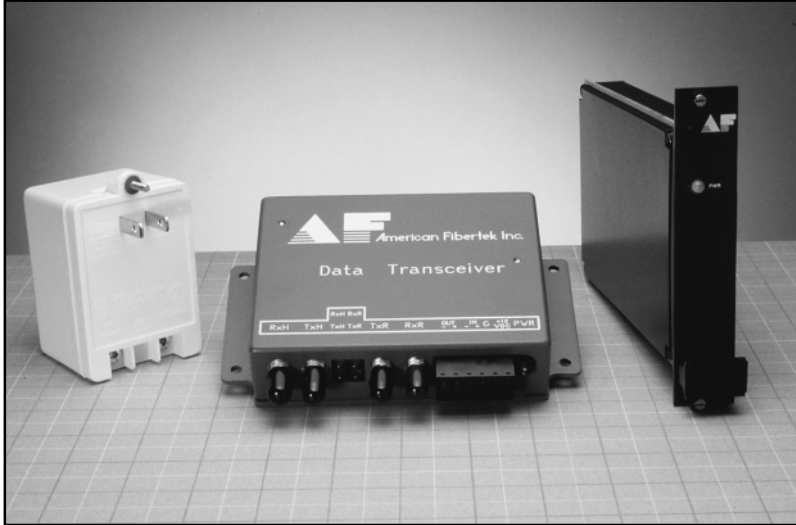   Rack Card - (See AFI Part #: SR-20/1)

Size:
    Module - 3¾" x 5⅞" x 1⁵⁄₁₆"
    Rack Card requires one rack slot - 6½" x 1" x 5"

ORDERING INFORMATION:

    MX-485-2T = 2-Wire Module Repeater
    MX-485-4T = 4-Wire Module Repeater
    RX-485-2T = 2-Wire Rack Card Repeater
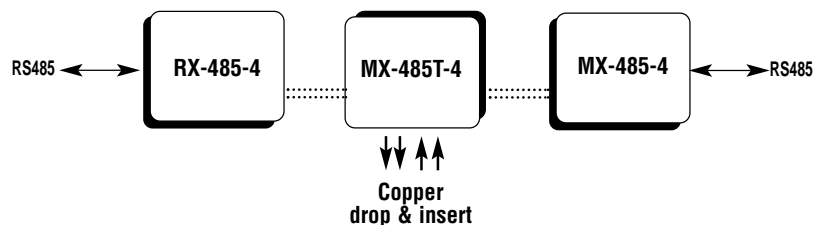   RX-485-4T = 4-Wire Rack Card Repeater

Example: MX-485-4T to RX-485-4T

The American Fibertek 485T Series transmits, receives, and repeats high-quality, RS485 data on dual multimode optical fibers. Designed for continuous long-range, interference free data transmissions, these systems require 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: SR-20/1 or SR-20R/1.

PRODUCT ENHANCEMENTS:

485-2T-13 Series 2-Wire RS-485 with a loss budget of 17dB @ 1300 nm multimode wavelength.
485-4T-13 Series 4-Wire RS-485 with a loss budget of 17dB @ 1300 nm multimode wavelength.
485-2T-S Series 2-Wire RS-485   with a loss budget of 17dB @ 1300 nm singlemode wavelength.
485-4T-S Series 4-Wire RS-485 with a loss budget of 17dB @ 1300 nm singlemode wavelength.

RS485 ←→ | **RX-485-4** | .... | **MX-485T-4** | .... | **MX-485-4** | ←→ RS485

↓↓ ↑↑
**Copper
drop & insert**

RS485 Data Repeater System

FEATURES:

- RS-485 Repeater
- Diagnostic: Video, Optical Presence, Power, and Bi-Directional Transmit/Receive
- LED Indicators
- Singlemode or Multimode Optics
- Drop and Insert Capability
- 2-Wire and 4-Wire Factory Set
- Up to 8 Repeats

SPECIFICATIONS:

Data:
Data Rate....................................up to 38.4 Kbps
Module Data Connector....... 6 pin screw terminal
Rack Card Data Connector....4 pin screw terminal

Optical:
Wavelength ....850 nm
Loss Budget (62.5/125µ)...........................15 dB
Optical Connector..ST

Temperature (Operating):
-20°C to +70°C, non-condensing

Power Supply:
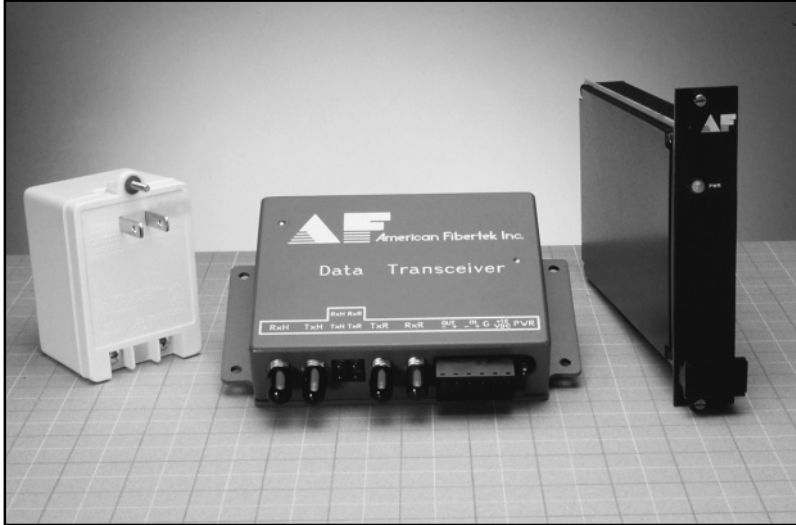Module - 12 VDC (AFI Part #: PS-12)
Rack Card - (See AFI Part #: SR-20/1)

Size:
Module - 3¾″ x 5⅞″ x 1⁵⁄₁₆″
Rack Card requires one rack slot - 6½″ x 1″ x 5″

ORDERING INFORMATION:

MX-485-2T = 2-Wire Module Repeater
MX-485-4T = 4-Wire Module Repeater
RX-485-2T = 2-Wire Rack Card Repeater
RX-485-4T = 4-Wire Rack Card Repeater

Example: MX-485-4T to RX-485-4T

The American Fibertek 485T Series transmits, receives, and repeats high-quality, RS485 data on dual multimode optical fibers. Designed for continuous long-range, interference free data transmissions, these systems require 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: SR-20/1 or SR-20R/1.

PRODUCT ENHANCEMENTS:

485-2T-13 Series 2-Wire RS-485 with a loss budget of 17dB @ 1300 nm multimode wavelength.
485-4T-13 Series 4-Wire RS-485 with a loss budget of 17dB @ 1300 nm multimode wavelength.
485-2T-S Series 2-Wire RS-485   with a loss budget of 17dB @ 1300 nm singlemode wavelength.
485-4T-S Series 4-Wire RS-485 with a loss budget of 17dB @ 1300 nm singlemode wavelength.

RS485 ← → | **RX-485-4** | .... | **MX-485T-4** | .... | **MX-485-4** | ← → RS485

↓↓ ↑↑
Copper drop & insert