

Serial to Fiber Media Converters

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Connect serial devices to fiber optic cable

PSI-MOS Serial to Fiber Converters transparently connect RS232, RS422 and RS485 devices to fiber optic cable. By transmitting data over optical fiber, these serial media converters provide an economical path to extend the reach of serial devices.

- Extend serial data up to 28 miles with extremely high data rate
- High-quality electrical isolation between the devices make transmissions immune to EMI, RFI and transient surges
- Point-to-point, star, linear, tree and redundant network environments supported
- Integrated optical diagnostics via bar graph display
- Floating switch contact for early warning alarm issued in the event of a drop in transmission quality
- Approved for zone 2 for use in potentially explosive areas

PSI-MOS-RS232/FO 850 E RS232 to fiber

- 1 x DB9M serial port
- 1 x duplex ST multimode fiber 850nm
- Extend up to 4.2km (2.6 miles)

PSI-MOS-RS232/FO 850 T RS232 to fiber

- 1 x DB9M serial port
- 2 x duplex ST multimode fiber 850nm
- Extend up to 4.2km (2.6 miles)

PSI-MOS-RS232/FO 1300 E RS232 to fiber

- 1 x DB9M serial port
- 1 x duplex SC multimode or single mode fiber 1300nm
- Extend up to 45km (28 miles)

PSI-MOS-RS422/FO 850 E RS422/485 4-wire to fiber

- 1 x Terminal block serial connector
- 1 x duplex ST multimode fiber 850nm
- Extend up to 4.2km (2.6 miles)

PSI-MOS-RS422/FO 850 T RS422/485 4-wire to fiber

- 1 x Terminal block serial connector
- 2 x duplex ST multimode fiber 850nm
- Extend up to 4.2km (2.6 miles)



PSI-MOS-RS422/FO 1300 E
RS422/485 4-wire to fiber

- 1 x Terminal block serial connector
- 1 x duplex SC multimode or single mode fiber 1300nm
- Extend up to 45km (28 miles)



PSI-MOS-RS485/FO 850 E
RS485 2-wire to fiber

- 1 x Terminal block serial connector
- 1 x duplex ST multimode fiber 850nm
- Extend up to 4.2km (2.6 miles)



PSI-MOS-RS485/FO 850 T
RS485 2-wire to fiber

- 1 x Terminal block serial connector
- 2 x duplex ST multimode fiber 850nm
- Extend up to 4.2km (2.6 miles)



PSI-MOS-RS485/FO 1300 E
RS485 2-wire to fiber

- 1 x Terminal block serial connector
- 1 x duplex SC multimode or single mode fiber 1300nm
- Extend up to 45km (28 miles)



EMI, RFI and Transient Surge Immunity

Electromagnetic interference (EMI) is a common phenomenon in typical environments like industrial plants, warehouses and factory floors. This interference can cause corruption of data over serial or copper-based Ethernet links. Data transmitted over fiber optic cable however is completely immune to this type of noise, thus preventing the negative effects of voltage equalization currents and electromagnetic interference on the data cables. A Serial to Fiber Media Converter therefore enables you to inter-connect your serial devices over fiber ensuring optimal data transmission, increased availability of the system, and improved network design.



PSI-MOS Serial to Fiber Media Converter Applications

- near heavy electrical equipment
- in environments with electrical (EMI) or radio (RFI) interference
- in environments with transient surges
- in industrial plants, warehouses and factory floors
- enabling asynchronous serial equipment to communicate at full or half duplex, with rates up to 2Mbps, over optical fiber

High Quality Features and Support

The PSI-MOS Serial to Fiber Converters are equipped with comprehensive diagnostic functions to increase system availability, simplify start-up and permanently monitor the optical transmission quality. This allows for more efficient troubleshooting and less on-site maintenance. These cost and time

saving features, along with free worldwide technical support, make the PSI-MOS Serial to Fiber Converters the smart choice for IT professionals.

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