

Fiber Optic Switch 485



1075KWHH ESS

Overview

The RS-485 Fiber Optic Converter data series uses the most advanced digital technologies to provide excellent repeatable performance for today's data systems. It supports transmission of one bi-directional data channel over one multimode or singlemode optical fiber. A verification email has been sent to {0}. Please click on the link in this email to verify your address. The DL485 and DL485-4W fiber optic systems serve as vital components for connecting field bus systems with RS485 interfaces, enabling safe and reliable data transfer in industrial applications. These systems support various field bus protocols, including MODBUS, MODNET-1/SFB, BIT-BUS, SAIA-S-BUS. The PSI-MOS-RS485W2/FO 850 E can be used to convert RS485 2-wire devices to fiber optics. By transmitting serial data over optical fiber, these serial to fiber converters provide an economical path to extend the reach of RS485 devices.



Article Content

Nov 17, 2025

Two Ways of RS485 to Fiber Optic

1) There is no single optical fiber left for 485 optical fiber use, or a number of 485 host-slave systems need to pair-connection through a fiber, at this time, use

Jan 10, 2026

RS485 Serial to Fiber Optic Media Converters by S.I. Tech

SI Tech manufactures RS485 to fiber modems (media converters) for networking applications.

Aug 02, 2025

Definition, Applications, and Types of Serial to Fiber

In the fast-paced world of technology, the demand for efficient and dependable data transmission continues to grow. Fiber optic serial communication has emerged as

Feb 25, 2026

RS232 / RS422 / RS485 to Fiber Optic Converter and

Fiber Optic Media Converters SerialComm's certified commercial or industrial Ethernet fiber optic converter or serial to fiber optic converter products include

Oct 15, 2025

SEL-2820 Multimode Fiber-Optic EIA-485 Transceivers

Easily Applied Implements fiber-optic links between two- and four-wire EIA-485 network segments. Set operating modes via control (DIP) switches. Simplifies network commissioning and repair with LED

Mar 08, 2026

Serial to Fiber Converter | PSI-MOS-RS485/FO 850 E | Perle

The PSI-MOS-RS485W2/FO 850 E can be used to convert RS485 2-wire devices to fiber optics. By transmitting serial data over optical fiber, these serial to fiber converters provide an economical path

Mar 14, 2026

Point-to-Point Fibre Converter RS-422/485

View the ODW-730-F1 which has been designed to allow RS-422/485 protocols to

Mar 09, 2026

RS-485/Modbus Fiber Optic Converter

It supports transmission of one bi-directional data channel over one multimode or singlemode optical fiber. RS232, RS422 and RS485 (2 wire & 4 wire) standards

Jun 13, 2026

Industrial Serial to Fibre optic converters | Amplicon

Serial to fibre optic converters allow RS232, RS422 or RS485 signals to be transmitted across a fibre-optic link. Plastic fibre provides a cost-effective solution

Feb 13, 2026

What Is an RS485 to Fiber Optic Converter and How Does It Work?

An RS485 to fiber optic converter is a communication device that translates RS485 serial signals into optical signals for transmission through fiber optic cables.

Sep 17, 2025

RS485 4-wire to POF or HCS converter, DL485-4W

The DL485-4W is a RS485 4-wire to POF (Plastic Optical Fiber) or HCS (Hard Clad Silica) fiber optic converter with ST adapter for point-to-point connections.

Jul 20, 2025

The difference between Serial to Ethernet Adapter and optical fiber switch

In addition, optical fiber switches usually have high port density and scalability, and can adapt to complex network topologies. Serial to Ethernet Adapters and optical fiber switches have

Jan 21, 2026

PSI-MOS-RS485W2/FO 850 E

The floating switch contact is activated when the signal output on the fiber optic paths drops to a critical level. The PSI-MOS-RS485W2/FO... E termination

Sep 24, 2025

RS-485 (Modbus) Multi-Drop Bus Fiber Optic Converter

The RS-485 Multi-Drop Bus Fiber Optic Modem series products provide an optical bus network for RS-232, RS-422 or RS-485 data interfaces over a pair of

Mar 19, 2026

RS232 / RS485 / RS422 to Fiber Optic Converters

Rugged industrial-grade RS232 / RS485 / RS422 to fiber optic converter. Transmits serial data (RS232, RS485 or RS422) over long distances through fiber links (multi-mode: 3 miles or 5 km).

Aug 24, 2025

Serial to Fiber Converter, RS485 and RS232 over Fiber

This device is Point to Point Bi-Directional Fiber Optic Converter that transmits RS-232, RS-485 and RS-422 a serial protocol over fiber. This unit converts electrical serial signal to optical so it could be send

Sep 27, 2025

RS485 4-wire to multimode converter, DL485-4W | EKS

The DL485-4W is a RS485 4-wire to multimode fiber optic converter for point-to-point connections. For adapter you can make the choice between ST, SC or SC-BIDI.

Aug 09, 2025

PSI-MOS-RS485W2/FO 850 E

FO converter with integrated optical diagnostics, alarm contact, for RS-485 2-wire bus systems (SUCONET K, Modbus ...) up to 500 kbps, NRZ coding, terminal device with one FO interface

Feb 24, 2026

SEL-2820 Multimode Fiber-Optic EIA-485 Transceivers

Safely add isolated segments to multidrop and point-to-point EIA-485 networks, separated by up to 500 meters. Improve safety, signal integrity, and reliability by using two optical fibers instead of wire to

Dec 17, 2025

Serial to Fiber Converter | PSI-MOS-RS485/FO 850 E | Perle

The integrated optical diagnostics allow permanent monitoring of the FO paths during installation and operation. The floating switch contact is activated when the signal level on the fiber optic paths

Nov 21, 2025

RS485 Ethernet Transceivers vs RS485 Fiber Optic

RS485 Ethernet Transceiver: RS485 Ethernet transceivers are generally more cost-effective compared to fiber optic solutions. Since they utilize

May 18, 2026

Modbus-Plus to fiber optic converters, DL485-MBP/DL485-MBPR

The DL485-MBP modules establish the connection between a MODBUS-Plus interface and fiber optic fieldbus networks, thus offering innovative possibilities for the communication structure. This optical

Jun 28, 2025

Communications converter

RS485 to optical fiber converter. Single mode/multimode fiber - single loop/double loop converter. Power consumption @24V - 4 W Insulation - 4 kV a 3 vie Status indicators - Optical fiber communication,

Dec 06, 2025

Serial-to-Fiber Converters | Moxa

Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and reliable way to

Jul 27, 2025

RS485 to fiber optic converters, DL485 and DL485-4W

The DL485 and DL485-4W fiber optic systems serve as vital components for connecting field bus systems with RS485 interfaces, enabling safe and reliable

Contact Us

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