

485 Fiber Optic Communication Module



Overview

The FR485 is a RS-485 to fiber optic convertor module available as a single fiber pair output repeater or dual fiber pair output repeater. The FR485 uses OPTEK's b 850nm, transmitter and receiver with the "ST" connector receptacles for 62. 5-125mm (50/125mm) fiber optic cables. A verification email has been sent to {0}. These systems support various field bus protocols, including MODBUS, MODNET-1/SFB, BIT-BUS, SAIA-S-BUS. The Westermo range of fibre optic modems ensures reliable communications over multimode and single mode fibre optic cables. With transparent operation, our fibre optic modems act as converters for serial RS-232, RS-422, RS-485 and PROFIBUS protocols. It converts electrical RS-485 signals into optical signals, ensuring high-speed, interference-free data transmission. These devices are independent from the serial protocol and they are adapted for Modbus, Modbus+ and IEC131.



Article Content

Gateway / Multi-drop Fibres Optic Converter

These Optic Fiber devices are designed to extend the RS485 or/and RS232 using the optic fibers. These devices are independent from the serial protocol and they

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

An RS485 to fiber optic converter converts RS485 electrical signals into optical signals, allowing data transmission over long distances with immunity to electromagnetic interference. This

SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28: 2026

1) What Transceiver Form Factors Mean (2026) SFP-family and QSFP-family transceivers are hot-pluggable modules that convert electrical

ABB N4BG 1KHW002238R0001/1KHW002237R0001 OPIC1 R1A

ABB N4BG 1KHW002238R0001 / OPIC1 R1A 1KHW002237R0001 is an ABB OPIC series optical fiber pilot protection interface board. It is specially designed for power system relay protection and

MODBUS-Plus to Singlemode converter, DL485-MBP | EKS

The fiber optic systems DL485-MBP connect a Modbus-Plus interface to optical field bus networks. With the help of this innovative system optical bus, star, tree and mixed structures are possible. LEDs and

REL52034

Schneider Electric Malaysia. REL52034 - universal protection relay, PowerLogic P3U20, 4L ringlug, 1U, 10DI/5DO, Uaux: 48-230V, DI: 24-230V, RS-485.

RS485 TO FIBER OPTIC REPEATER

The FR485 is a RS-485 to fiber optic convertor module available as a single fiber pair output repeater or dual fiber pair output repeater. The FR485 uses OPTEK's b 850nm, transmitter and receiver with the

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

PM485FIBRE - RS232/RS485 to Fibre Module

PM485FIBRE - RS232/RS485 to Fibre Module The PMFibre Optic converter unit is a bi-direction fibre optic unit used to convert 2-wire RS485 twisted pair (or 3 wire

The RS-485 Design Guide (Rev. D)

The RS-485 bus is a distributed parameter circuit whose electrical characteristics are primarily defined by the distributed inductance and capacitance along the physical media, which includes the

Modbus to fiber optic converters, DL485-MBR

The DL485-MBR fiber optic systems are engineered to ensure secure optical data transfer within MODBUS networks, supporting data speeds of up to 115.2 KBit/s.

Optical module

An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical modules typically have an electrical interface on the side that

TC1540datasheet-010C.ai

TC1540 is a highly versatile 2-wire RS-485 fiber optic modem that can mix or match RS-232, RS-422 or RS-485 (2-wire or 4-wire) inter-faces, as required.

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Online shopping. w/24h-delivery, 7Days & Refund Guarantee. CE, RoHS and ISO9001 Certified. SFP+ Cables, QSFP+ Cables, MiniSAS Cables, XFP Cables,

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

RS-422/RS-485 Async Fiber Optic TC1520 Modem

Versatile and competitively priced, the TC1520 fiber optic modem supports RS-422 and 2-wire or 4-wire RS-485 interfaces. It transmits asynchronous data at speeds up to 500 Kbps.* Distances up to 80km

RS-485 Cable

RS-485 Cable The RS-485 Belden cables are the reference choice for automation systems, including Modbus, BACnet MS/TP, CANopen, or DMX512. Low

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

An RS485 to fiber optic converter is a vital solution for industries requiring long-distance, interference-free data communication. Its ability to convert serial electrical signals into optical signals

PM485FIBRE - RS232/RS485 to Fibre Module

The PMFibre Optic converter unit is a bi-direction fibre optic unit used to convert 2-wire RS485 twisted pair (or 3 wire RS232) data communications signals for

RS232 / RS485 / RS422 to Fiber Optic Converters

Our rugged, industrial-grade, point-to-point RS232 / RS485 / RS422 serial to fiber optic converters work in pairs to extend serial signals (RS232, RS485, RS422, and TTL) over long distance. These point-to

Industrial Serial over Fibre Modems - PROFIBUS

The Westermo range of fibre optic modems ensures reliable communications over multimode and single mode fibre optic cables. With transparent operation, our

RS485 / RS422 / RS232 To Single Mode Fiber Optic

The unit extends the maximum distance of any RS232/RS485/RS422 signal up 12.4 miles (20 kilometers) using single mode fiber optic cable. The unit is enclosed in

Microsoft Word

It is possible, however, to use fiber optic cable and modems to extend RS-485 link communication for long distances and is often the standard for any new construction high end residence when running

How to Use Universal RS-485 Interface Asynchronous Fiber Modem ...

The Universal RS-485 Interface Asynchronous Fiber Modem is a robust communication device designed to extend RS-485 signals over long distances using fiber optic cables. It converts electrical RS-485

HMS Networks

HMS creates products that enable industrial equipment to communicate and share information with software and systems. In short: Hardware Meets Software™.

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