485 Optical Communication Module



Overview

These Optic Fiber devices are designed to extend the RS485 or/and RS232 using the optic fibers. Dual-Port-Memory interface: SPI Slave, mode 3; max baud rate 50 MHz Communication standard: PROFIBUS DP Slave Communication interface. 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 communicate with their serial devices. A verification email has been sent to {0}. Please click on the link in this email to verify your address. Explore our portfolio of basic and reinforced isolated RS-485 and isolated RS-422 transceivers based on a proprietary silicon dioxide (SiO 2) insulation barrier for industry-leading performance. This family of products integrates the functionality of a digital isolator and RS-485 or RS-422. Axioline Smart Elements, Communication module, Serial data transmission, Communication module; interface: RS-485: 1; Transmission speed: 100 bps. 230400 bps; degree of protection: IP20; Process data width: 64 bytes, Transparent protocol, End-to-end protocol, Modbus/RTU (client support). This device is an optional module for advanced meter that provide 4-wire RS-485 connectivity, converted from the onboard 2-wire RS-485 port. The 4-wire RS-485 makes the replacement and retrofitting of legacy 4-wire systems convenient by adding a 4-wire RS-485 serial port to our Advanced Meters. The. This manual describes the optical fiber converter for the conversion of optical and electrial signals for SIPROTEC devices and includes information about device properties, connection options as well as information about the device configuration. In order to protect technical infrastructures.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

Article Content

RS-485 communication module

Find your rs-485 communication module easily amongst the 36 products from the leading brands (Advantech, Hilscher, ESD, ...) on DirectIndustry, the industry specialist for your professional purchases.

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

Isolated RS-485 transceivers

Learn how integrated isolated RS-422 and RS-485 transceivers deliver reliable communication while reducing significant board space compared to traditional optocoupler-based solutions. Explore

AXL SE RS485 EF

One serial input and output channel in RS-485 format. Transmission speed can be set up to 230,400 bps. Number of data bits, stop bits and parity can be set.

7XV5650.pdf

This manual describes the optical fiber converter for the conversion of optical and electrial signals for SIPROTEC devices and includes information about device properties, connection options as well as

Opto-Isolated RS485 Hub / Splitter (Industrial)

The HUB-485-4 is a rugged, industrial-grade, optically-isolated RS485 Hub / Splitter / Repeater, which can be used to expand RS-485 networks by splitting one (1)

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

Mixed-signal and digital signal processing ICs | Analog

Analog Devices is global leader in the design and manufacturing of analog, mixed signal, and DSP integrated circuits to help solve the toughest engineering

AI Data Center Optical Transceiver Module Market 2025–2030

The AI-driven demand for optical transceivers represents the most significant growth catalyst in the optical communications industry.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

Communication Module: Types, Applications and

In today''s interconnected world, communication is the lifeblood of our technological landscape. We''re surrounded by devices, machines, and systems

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

Compare SFP, SFP+, SFP28, QSFP+ and QSFP28 in this 2026 selection guide. Learn where each form factor fits, decision rules, cost and risk

Co-Packaged Optics (CPO) Market Trends 2026: AI

Explore the future of co-packaged optics (CPO) in AI data centers. Learn how silicon photonics, optical I/O, and high-speed optical interconnect

Coherent to Unveil Breakthrough AI-Scale Optical Innovations and ...

Coherent will unveil AI-scale optical innovations at OFC 2026, showcasing technologies that advance bandwidth, scalability, and energy efficiency.

The RS-485 Design Guide (Rev

ABSTRACT As a short compendium for successful data transmission design, this application report discusses the important aspects of the RS-485 standard.

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 (single-mode: 25 miles or 40 km).

6GK1503-2CB00 SIEMENS PROFIBUS OLM/G11 V4.0

Buy 6GK1503-2CB00 SIEMENS PROFIBUS OLM/G11 V4.0 optical link module with 1 RS 485 and 1 glass fiber optic cable interface (2 BFOC sockets), with signaling

AN1991: Isolating RS-485 Interfaces with High-Speed Digital

Abstract Opto-isolators (also known as optocouplers, photocouplers, or optical isolators), have been used in the design of isolated RS-485 networks for the past four decades. Despite the availability of

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

Related Video Reference

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://dolphinspreschool.co.za
Technical inquiry: https://dolphinspreschool.co.za/project-desk.html
African project coordination: Waterfall City, Midrand, Gauteng, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved