

Bus to Fiber Optic Converter



Article Overview

A CAN bus to fiber optic converter allows CAN signals to be transmitted over optical fiber, enabling long-distance, interference-free communication for industrial networks.

Overview

A CAN bus to fiber optic converter converts electrical CAN signals from copper wiring into optical signals for transmission over fiber optic cables. This technology is widely used in industrial environments to extend communication distances, improve noise immunity, and maintain reliable data transfer in harsh conditions .

Key Features

- **Supported Protocols:** Most converters support CAN 1.0, CAN 2.0B, CAN FD, and CANopen protocols .
- **Transmission Rates:** Typical converters handle 0–1 Mbps, with some high-performance models supporting up to 5 Mbps .
- **Distance:** Fiber optic transmission can reach 20 km or more, depending on the model and fiber type (single-mode or multi-mode), .
- **Network Topologies:** Converters can support point-to-point, multi-drop bus, star, tree, or ring networks, providing flexibility for complex industrial setups .
- **Isolation and Protection:** Many units offer optical isolation (e.g., 2 kV) and buffering to prevent data loss, ensuring stable operation in electrically noisy environments .
- **Monitoring and Diagnostics:** Some converters include LED indicators, fault detection relays, and Fiber Test Modes to verify proper signal transmission

Article Content

Moxa ICF-1170I-M-ST Industrial CAN bus to Fiber Optic Converter,ST ...

Moxa's fieldbus-to-fiber converters convert fieldbus to fiber with ease, and also feature easy configuration and effortless

Media converters

FO media converters for Ethernet and fieldbus enable you to convert your copper interfaces to interference

CAN Bus to Fiber Optic Converter|CAN over Fiber

Configurable CAN Bus Multi-drop Bus Fiber Optic Converter Description: The FO-FIB-100BT CAN bus to fiber optic converter

CAN to Fiber Optic Converter

CAN to Fiber Converter (New Technology) The CAN Bus series products provide an optical point-to-point or bus network connection

CAN to Fiber Optic Converter

CAN to Fiber Optic Converter made by BE with strong performance, it can support both 1Mbps high baud rate and 20km far distance

Modbus Plus (MB+) Fiber Media Converters

Modbus Plus (MB+) Fiber Media Converters Description: Transmission rate The HFD-FO-MBP Series Modbus fiber optic converters

CAN to Fiber Optic Converter

Configurable CAN to Multi-drop Bus Fiber Optic (FO) Converter Description: The FO-FIB-100BT CAN bus

CAN Bus Fiber Optic Converter

Multi-drop CAN bus fiber optic converter by Bueno Electric. Reliable and interference-free communication

CAN Bus to Fiber Optic Converter (Desktop Type)

The CAN Bus to fiber optic converter could convert CAN bus signals to optical signals and extend the CAN bus communication

CANFD Multi-drop Bus Fiber Optic Converter

CAN FD Multi-drop Bus Fiber Optic Converter Description: The CAN-FD-FIB-100BT CAN bus to fiber optic

CAN bus to fiber optic converter - GCAN

The GCAN-208 series CAN bus to fiber optic converters can build a connection between CAN bus and fiber optic. With this converter

MODBUS-Plus to Multimode converter, DL485-MBP

The fiber optic systems DL485-MBP connect a Modbus-Plus interface to optical field bus networks. With the help of this innovative

Fieldbus-to-Fiber Converters

Moxa's fieldbus-to-fiber converters convert fieldbus to fiber with ease, and also feature easy configuration and effortless

CAN-bus to Multimode converter, DL-CAN

The DL-CAN units connect CAN field bus networks (e.g. CAN, CANopen, DeviceNet) via fiber optics. This

CAN to optical fiber converters

CAN bus (fieldbus) media converter and single mode fiber bridge on fiber optic, for CAN 2.0A and CAN 2.0B.

ICF-1180I Series

The ICF-1180I industrial PROFIBUS-to-fiber converters are used to convert PROFIBUS signals from copper to optical fiber. The

CAN Bus Fiber Optic Converter

CAN Bus to Fiber optic Converter (No Cascading/High rate & Far distance) Product Description: The HFD-FO-CAN CAN bus to Fiber

Can Bus Fiber Optic Converter?

Bus fiber optic converters differ from traditional copper wiring options in that they allow more than one user systems to be connected

Profibus to fiber optic converters, DL485-PB/DL485-PBR

The DL485-PB systems stand out as robust solutions connecting ProfiBus field bus networks via fiber optics, introducing innovative

Gateway / Multi-drop Fibres Optic Converter

HD67701 and HD67702 converters allows to convert in Optical Fiber all the buses used in the common communication systems

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

RS-485 (Modbus) Multi-Drop Bus Fiber Optic converter The RS-485 Multi-Drop Bus Fiber Optic Modem series products provide an

Amazon : Fiber To Ethernet Converter

Discover fiber to ethernet converters for extending your network. Find gigabit media converters with reliable performance on Amazon.

Moxa ICF-1171I-S-ST

The ICF-1171I Series CAN-to-fiber converters are used in pairs to connect two CAN 2.0 or two CAN FD devices or networks via

RS-485/Modbus Fiber Optic Converter

RS-485 Modbus Fiber Optic Converter Point to point/Multi-drop Bus/Self-healing Ring Fiber Links The RS-485 Fiber Optic Converter

ICF-1180I Series

Our wide range of media converters connect field devices to a variety of communication systems. The ICF

Fieldbus-to-Fiber Converter

Fieldbus-to-Fiber Converter The Fieldbus-to-fiber Converters are to be used in pairs, connected by fiber optic communication, greatly

Media converters

Media converters FO media converters for Ethernet and fieldbus enable you to convert your copper

CAN Bus to Fiber Optic Converter (New Model)

CAN to Fiber Optic Converter made by BE with strong performance, it can support both 1Mbps high baud rate and 20km far distance

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.thebucketlistbook.co.za>

Email: sales@thebucketlistbook.co.za

Phone: +33 1 42 78 39 16

Address: 10 Rue de la Paix, 75002 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

