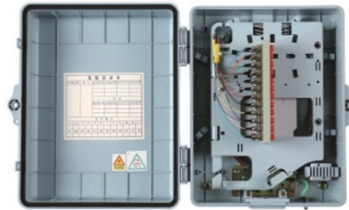


ECAT Fiber Optic Switch



Article Overview

ECAT Fiber Optic Switches enable EtherCAT networks to transmit data over fiber optic links, supporting long distances, flexible topologies, and secure communication.

EK1501 EtherCAT Coupler

The EK1501 is an EtherCAT coupler with multi-mode fiber-optic connectivity that links the EtherCAT protocol at the fieldbus level to EtherCAT Terminals. It converts Ethernet 100BASE-FX telegrams into E-bus signals and supports variable network topologies, including line and star configurations. The coupler features two SC duplex sockets and three hexadecimal ID switches, allowing unique identification of EtherCAT component groups, which can be positioned anywhere in the network. Multi-mode fiber enables distances up to 2 km, while single-mode variants can reach 20 km. The coupler provides 24 V DC power to attached terminals, with a maximum output of 5 V and 2 A, extendable via additional power feed terminals if needed .

ECAT-2511-A/B Fiber Optic Converters

The ECAT-2511-A and ECAT-2511-B are designed to convert EtherCAT signals to single-mode fiber optic signals, reshaping them to compensate for distortion and isolating bus errors caused by short circuits or disturbances. These converters enhance network reliability by preventing noise from EMS/RFI interference. They are sold as a pair and allow cost-efficient utilization of existing fiber infrastructure, effectively doubling the use of a single fiber line .

ECAT-01L Multiplexer...

Article Content

EK1501 | EtherCAT Coupler with ID switch, fibre optic

The EK1501 has three hexadecimal ID switches for assigning an ID to a group of EtherCAT components. This group can then be

CU1521-0010 | Infrastructure, media converter, Ethernet/EtherCAT,

The EtherCAT -capable CU1521 for Industrial Fast Ethernet /100 Mbit/s serves as media converter from optical fiber to copper and

FH/FO-CONV-ECAT-ENET-MM(-SM)

These bus connections, usually accomplished via standard CAT5 network cables can be converted to fiber optic transmission. The

Fiber to Cat5/6/7/8 Converters | Connect Devices Over Fiber

Cat5/6/7/8 to Fiber Optic Converters extend and connect 10Mbps, 100Mbps, 1G, 2.5G or 10G Ethernet cables to Multimode or Single

How do you go from fiber-optic to CAT6?

At the other end of the fiber I used a smaller 3Com switch with the same brand of module. If you think about it, it has to

ECAT01-L JAN09

ECAT-01L ECAT-01L is an entry level 4-channel E1-over-Fiber optical transport multiplexer device, suited for point to point optical

Unlocking the Power of Fiber Switches: A Comprehensive Guide to ...

Fiber switches play an essential role in the architecture of the latest virtual data networks, providing high capacities,

EK1521 | 1-port EtherCAT fiber-optic junction | Beckhoff Worldwide

The EK1521 1-port EtherCAT junction with multi-mode fiber-optic connection can be used in an EtherCAT Terminal segment at any

ECAT-2511-A

The ECAT-2511-A is designed to convert EtherCAT signals to optical signals on a fiber optic cable and to reshape the EtherCAT

EK1501 | EtherCAT Coupler with ID switch, multi-mode fiber optic

The EK1501 EtherCAT Coupler with multi-mode fiber-optic connection is the link between the EtherCAT protocol at fieldbus level and

ECAT-2511-B

With the advantage of fiber optic, the ECAT-2511-A and ECAT-2511-B enable secure data transmission via fiber optic transmission,

EtherCAT Media Converter CU1521, CU1561

CU1521 | EtherCAT media converter fibre optic The EtherCAT-capable CU1521 for Industrial Fast Ethernet/100 Mbaud serves as

TDM-Ecat-01L

ECAT-01L is a TEC approved, low cost "TDM" Access Multiplexer which multiplexes up to 4 E1 channels and one Fast Ethernet over

Overview of the EtherCAT protocol and devices based on it

In the article we take a look at the EtherCAT protocol, the capabilities to process commands on the fly, integration into

EK1501 | EtherCAT Coupler with ID switch, fibre optic

The multimode glass fibre connection enables distances of up to 2km between two couplers - or up to 20km for the EK1501-0010

EtherCAT Technology Group | ECAT-2000 Media Converter Modules

They are designed not only to convert EtherCAT signals to optical signals on a fiber optic cable, to reshape the EtherCAT signal to

Ethernet-to-Fiber Media Converters

Moxa's Ethernet to Fiber media converters feature innovative remote management, industrial-grade reliability, and a flexible, modular

Contact Us

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