

Fiber Optic KVM Converter



AI Overview

Fiber optic KVM converters extend keyboard, video, and mouse signals over long distances with high-quality, interference-free transmission. Overview A fiber optic KVM converter (or KVM extender) allows users to control a computer or multiple computers remotely using a keyboard, video display, and mouse over fiber optic cables. Unlike traditional copper KVM extenders, fiber optic KVMs can transmit signals over much longer distances, ranging from hundreds of meters to up to 10 km or more, while maintaining high-resolution video and low latency. Key Features High-Resolution Video Support: Many fiber KVM extenders support 4K UHD video at 60Hz, with some models offering HDR10 and 4:4:4 chroma subsampling for precise color reproduction. Long-Distance Transmission: Multi-mode fiber typically supports distances up to 500-550 meters, while single-mode fiber can extend up to 10 km or more, depending on the module. USB and Peripheral Support: Fiber KVM extenders often include USB 2.0 or 3.0 ports, allowing remote control of keyboards, mice, touchscreens, and other peripherals. EMI and RFI Immunity: Fiber optic cables are immune to electromagnetic and radio-frequency interference, ensuring stable and secure signal transmission. Plug-and-Play Installation: Many devices are designed for easy setup without complex configuration, supporting point-to-point connections or multiple transmitter/receiver pairs via a Gigabit Ethernet switch. Applications Fiber optic KVM converters are ideal for environments requiring secure, long-distance, and high-quality control, including: Data centers and server rooms for centralized management of multiple systems. Medical facilities for telemedicine and remote diagnostics, where interference-free video is critical. Broadcast and media production for high-resolution video streaming over long distances. Industrial and transportation control systems where reliable remote access is essential. Educational campuses for remote lectures and multi-display setups. Popular Models AV Access 4KIP500F-KVM:...

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4K HDMI 2.0 KVM USB over Fiber Optic Extender w/ IR

The UF-HDF201KM series 18Gbps HDMI KVM Optical Fiber Extender extends HDMI signals, USB KVM signals up to 20 km (single-mode fiber), 300 m (OM3

StarTech DisplayPort KVM Extender over Fiber Optic, 4K 60Hz ...

Control a DisplayPort-equipped computer or KVM switch up to 300m (985ft) away over fiber-optic cable The Fiber Optic KVM Extender allows for control of a KVM switch, console, or PC from a distance of

4K Fiber KVM Extender up to 550m for Remote PC

With the advanced fiber optic technology, this 4K KVM extender

HDBaseT_Fiber_KVM Extender_Brochure

ATEN Fiber Optic KVM Extenders utilize single-mode or multi-mode optic fiber cables to extend AV, RS-232, or USB signals at extremely long distances up to 20km, with zero latency as well as resistance

KVM Extenders:Fibre-Optic:

The VE882 is an Optical HDMI Extender that overcomes the length restriction of standard HDMI cables by using optical fiber to send high definition audio and video signals over...

Fiber KVM Extender

Single Mode & Multi Mode (Five Fiber) Fiber KVM Extenders. Dual Monitor DVI.

KVM Extenders | Matrox Video

Matrox Extio 3 works as either a point-to-point (fiber optic or copper), or networked KVM extension and switching solution, leveraging standard Gigabit network infrastructure to securely route KVM signals.

fiber to ethernet converter | Newegg

StarTech MCMGBSCMM055 Fiber Media Converter - 1000Base-SX - 550m - Multi Mode - Fiber to Ethernet Converter - Fiber to Copper Converter Device Type: Converter Standards: IEEE 802.3z

Fibre KVM-Extender

With a Fiber KVM Extender you can digitally place the KVM control console (keyboard / video / mouse) from the computer via fiber optic cable.

KVM Extender over Fiber

The KVM HDMI/DisplayPort Dual Head KVM Extender lets you control a server or computer over a single-mode or multimode cable at distances of up to 30 km

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Buy the DMC-F810SC gigabit media converter — RJ45 to SC single-mode 1310nm up to 20 km. Reliable fibre extension for networks. Order online.

Fiber Optic Systems

Fiber Optic Systems Our extensive offering of fiber optic cables, connectors, cassettes, enclosures, patch cords, cable assemblies, cable distribution products

Fiber Optic Connector Adapters & Industrial Fiber Optics | ODG

Fiber Optic Connector Adapters, ODG is an distributor of Industrial Fiber Optics, ranging from Fiber Optic Connector Adapters solutions.

USB True 4K DisplayPort/HDMI Optical KVM Extender (True 4K @ 300 m)

The CE980 is a USB DisplayPort/HDMI Optical KVM Extender that extends KVM signals over fiber-optic transmission up to 300 meters,

Fiber 4K30 HDMI+USB KVM-Extender over IP (max. 500m MM), Zero

With the capability to support up to 16 pairs of transmitter (TX) and receiver (RX) devices via a single Gigabit Ethernet switch, this fiber optic KVM extender offers seamless scalability and integration

Fiber Optic Cables, Fiber Optic Patch Cables, Fiber Optic Adapters ...

Fiber Optic Adapters Singlemode - Simplex Fiber Optic Adapters Singlemode - Duplex Fiber Optic Adapters, MTP/MPO Fiber Optic Attenuators Media Converters Multimode Media Converters

KVM Fiber Optic Extenders over Fiber up to 70 km

The Fiber Extender is designed to extend signals over Optical Fiber for long-distance transmission. Rextron is good at providing a variety of KVM solutions, including Fiber KVM extenders. Our

10 Best Fiber Optic Media Converters (May 2026)

Discover the best fiber optic media converters in 2026. Our experts tested 10 top models for reliability, performance, and value. Complete buying

Luxtron M-900 Fiber Optic Temperature Converter

The Luxtron M900 series FluorOptic® Thermometry (FOT) solutions comprise fiber-optic temperature sensors designed to provide precise and repeatable in-situ temperature measurements for control of

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Overall, fiber optic connector adapters serve as crucial linkages between connectorized fiber optic cables. They facilitate interconnection, extend cable length, and offer environmental protection,

Device Connectivity Accessories & Port Security

LINDY Fast Ethernet Fiber Optic Converter – SC, Rack Mountable, 100Mbps Copper to Fiber Media Converter (32948) Catalogue, Closeouts, Home Other

Using fiber optics for KVM extension.

With fiber-based KVM extenders, the transmitter converts conventional data signals into a modulated light beam, then transports the beam via the fiber to a receiver, which converts the light back into

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Convert 1000BASE-T to 1000BASE-SX with the DMC-F700SC SC multimode fibre converter (850nm, 550m). Reliable gigabit link for network fibre uplinks.

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