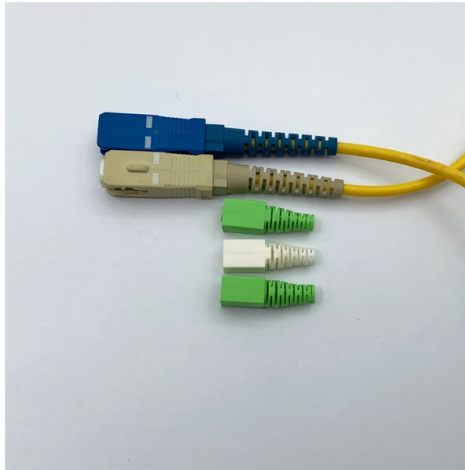


Fiber Optic KVM System Package



AI Overview

Fiber optic KVM systems enable secure, long-distance extension of keyboard, video, mouse, USB, audio, and control signals with high resolution and EMI immunity. Overview Fiber optic KVM (Keyboard, Video, Mouse) extenders allow users to remotely control computers or servers over long distances while maintaining high-quality video and secure data transmission. Unlike copper-based KVMs, fiber optic systems are immune to electromagnetic interference (EMI) and radio-frequency interference (RFI), making them ideal for industrial, medical, broadcast, and government applications. Key Features Long-Distance Transmission: Fiber KVM extenders can transmit signals from 300 meters up to 70 kilometers, depending on single-mode or multi-mode fiber and the specific model. High-Resolution Video Support: Many systems support 4K video at 60Hz, dual or quad monitor setups, and multiple video interfaces including HDMI, DisplayPort, DVI, and USB-C. Signal Integration: Fiber KVM extenders can carry USB 2.0/3.0, audio, IR, and RS-232 signals, enabling full remote control of computers and peripherals. Security: Fiber does not radiate signals, making it extremely difficult to tap. Any physical breach of the fiber link can be detected immediately, ensuring data security for sensitive environments. EMI/RFI Immunity: Optical fiber is unaffected by electrical noise, crosstalk, or impedance issues, ensuring stable and reliable signal transmission even in harsh industrial or high-EMI environments. System Types Point-to-Point Extenders: Connect a single transmitter to a single receiver, ideal for direct remote workstation control. Matrix KVM Systems: Allow multiple users to access multiple computers through a single switch, suitable for control rooms or mission-critical operations. Hybrid and IP-Based Solutions: Some systems, like Matrox Avio 2, support KVM over IP, enabling flexible, scalable setups with multi-user access and integration with existing network infrastructure. Applications Control Centers: Military, traffic, and da...

Article Content

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

Stream high-definition video for telemedicine and remote diagnostics with the fiber optic KVM extender. Optical isolation ensures secure transmission, while USB ports enable easy remote PC control,

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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...

GlassBridge™ Fiber-to-PIC Connector Technology

In Co-Packaged Optics architectures, optics are integrated directly with the ASIC, creating extreme density requirements. GlassBridge provides a compact fiber-to-PIC interface that supports high

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

Deploying the CE980 enables long-distance KVM extension of up to 300 meters via a fiber optic connection, ensuring stable, interference-free

4K HDMI® IP KVM Matrix Extender

The IP KVM extender support resolutions up to 4K@30Hz with low latency over standard 1 GbE networks. Featuring HDMI connector, the KFH151S delivers

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.

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KVM Over Fiber Extenders provide remote computer monitoring and management from distances up to 1,400 feet away! Extend USB, Keyboard, Mouse, Stereo Audio, VGA and RS-232 signals to your

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Locate a KVM user-console away from its computer, extended over CATx or fiber-optic cable over an IP Ethernet network. Learn more about KVM Extenders.

4K HDMI Fiber Extender KVM With USB Local Loopout 3.5mm Audio

4K@30Hz HDMI fiber extender transmits uncompressed video, USB KVM and stereo audio over single fiber up to 20km. Equipped with HDMI local loopout for on-site monitoring and 3.5mm audio ports.

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Fiber KVM Extender

Fiber KVM Extender Adder XD150FX DVI-D, USB, Audio, & RS232 Fiber KVM Extender Up to 1,312ft (400m) over Multi-Mode Fiber Resolutions up to 2560 x

4K@60Hz DisplayPort Extender (Loop)

Les meilleures offres pour 4K@60Hz DisplayPort Extender (Loop) - 10km (Fiber-Optic) - (DP-FO10-KVM) sont sur eBay Comparez les prix et les spécificités des produits neufs et d'occasion Pleins

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,

KVM Extender Fiber

The KVX HDMI KVM Extender lets you control a server, or computer over single-mode or multi-mode fiber optic cable at distances of up to 30 km (depending on

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KD — High-Speed Optical Connectivity Semiconductors

KD provides semiconductors for high-speed optical networking in harsh environments. Applications in automotive, home & SOHO, and industrial benefit

Advanced 4K Fiber KVM Extender over IP, up to 500m Zero Latency,

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

YOFC Achieved World's First 1.2Tb/s Per-Wavelength

On June 16, Yangtze Optical Fibre and Cable Joint Stock Limited Company (YOFC) announced the successful completion of the world's first field-trial hollow-core fiber (HCF) wavelength

Contact Us

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

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

Email: info@araziyahsafety.co.za

Phone: +27 72 418 3692

Address: 123 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

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