Fiber optic KVM price



Overview

KVM Over Fiber Extenders provide remote computer monitoring and management from distances up to 1,400 feet away!

Key Takeaways

Fiber optic KVM solutions typically range from $1,000 to over $10,000 per extender pair, depending on distance, resolution, and features.

Pricing Overview

The cost of a fiber optic KVM extender depends on several factors: Transmission Distance: Short-range extenders (up to 500 meters) are generally less expensive, while long-range extenders (up to 70 km) can cost significantly more due to the need for single-mode fiber and advanced SFP modules. Video Resolution: Extenders supporting 4K or dual 4K video at 60Hz are priced higher than those supporting lower resolutions or single HDMI/DisplayPort outputs. Connectivity and Peripherals: Devices with multiple USB ports, audio, IR, or RS-232 support, and the ability to control multiple PCs via Ethernet switches, increase the overall cost.

Single-mode vs Multi-mode Fiber: Single-mode fiber extenders for long distances are more expensive than multi-mode fiber extenders for shorter distances. Brand and Warranty: Established brands like AV Access, Black Box, and Rextron may charge premium prices for reliability, support, and warranty coverage. Example SolutionsAV Access 4KIP500F-KVM: Supports 4K HDMI and USB signals up to 550 meters over multi-mode fiber, with zero latency and Ethernet integration for up to 16 transmitter/receiver pairs.

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Typical market pricing for similar 4K multi-mode extenders ranges from $1,500 to $3,000 per pair.

Black Box KV

X Series: Single-mode fiber extenders capable of distances up to 30 km, supporting DisplayPort, USB 2. 0, audio, and serial connections. These solutions are generally priced $5,000 to $10,000 per pair, depending on distance and features.

Rextron Fiber KV

M Extenders: Offer a wide range of options, including dual 4K60 HDMI extenders up to 20 km and single HDMI extenders up to 70 km. Prices vary widely, from $2,000 for short-range 500m extenders to $12,000+ for ultra-long-range 70 km extenders.

Cost Considerations

Installation and Cabling: Fiber optic cabling, SFP modules, and switches add to the total cost. Multi-mode fiber is cheaper than single-mode fiber for long distances. Scalability: Extenders that allow multiple PCs to be controlled via a single switch may reduce per-PC costs in large deployments.

Environmental Requirements: EMI-prone or harsh environments may require specialized extenders, which are more expensive.

Summary

For most professional applications, short- to medium-range 4K fiber KVM extenders cost between $1,500 and $3,500 per pair, while long-range single-mode extenders for distances over 10 km can exceed $10,000 per pair. The final cost depends on resolution, distance, peripheral support, and deployment complexity.

Article Content

Amazon : Primeda-telecom 4K HDMI Over Fiber

With our HDMI over Fiber Optic extender you can get greater bandwidth, faster

Shop KVM Fiber Extenders | Markertek

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

Fiber 4K30 HDMI+USB KVM-Extender over IP (max.

The 4KIP500F-KVM can transmit 4K ultra HD HDMI signals up to 550m (1800ft) over multi-mode optical fiber with zero latency. It offers exceptional stability,

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

Featuring DIP switch pairing, this 4K fiber optic KVM extender

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 the SFP used, fiber type, and fiber

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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

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Qsignal USB & KVM cables | Modulit Pro AV

The UFOC-200 series is a fully featured, 2nd-generation USB-C active optical cable (AOC) built on a hybrid copper + fiber-optic core. The fiber core carries video, data and power over distances copper

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Modular KVM Extender

The DKM FX Modular KVM Extender Interface Card extends visually lossless, high-resolution DisplayPort signals over fiber cable. It also features two USB HID ports so you can easily connect

Fiber KVM Extender

NTI ST-FOUSBVARS-LC12V VGA USB KVM Extender via One LC Singlemode/Multimode Fiber Optic Cable $995.00 NEW ADD TO CART

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The Magenta fiber optic transmitter and receiver kit (MG-FB-61x) is a powerful solution for extending uncompressed 4Kx2k 60Hz HDMI 2.0 signals over very long distances. The MG-FB-61x supports

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