

KVM Fiber Optic Matrix Interface Price



AI Overview

KVM fiber optic matrix interfaces typically range from several thousand to tens of thousands of dollars, depending on resolution, number of ports, and distance capabilities.

Cost Overview The price of a fiber optic KVM matrix system depends on several factors:

- Resolution and Video Quality:** Systems supporting 4K or higher resolutions, such as the Matrox Extio 2 or AV Access 4KIP500F-KVM, generally cost more due to high-bandwidth requirements and uncompressed or visually lossless video transmission.
- Number of Ports and Users:** Matrix systems that allow multiple users to control multiple computers simultaneously are more expensive than simple point-to-point extenders. Expanding from 2-4 screens to 16 or more can significantly increase cost.
- Transmission Distance:** Single-mode fiber extenders capable of transmitting signals over 10 km or more are pricier than short-range multi-mode fiber solutions.
- Additional Features:** USB support, audio transmission, low-latency performance, and IP-based switching capabilities add to the overall cost.

Typical Price Ranges

- Point-to-Point Fiber KVM Extenders:** For dual-monitor setups over short distances (up to 500 m), prices generally range from \$1,500 to \$5,000 per extender pair.
- High-End Multi-User Matrix Systems:** Large-scale fiber KVM matrix systems for control rooms or broadcast studios can cost \$10,000 to \$50,000 or more, depending on the number of inputs/outputs, supported monitors, and distance.

Market Context: The global fiber KVM matrix system market was valued at USD 609 million in 2025 and is projected to grow steadily, reflecting increasing demand for high-performance remote access solutions in data centers and broadcast environments.

Cost-Saving Considerations

- Modular Expansion:** Some systems, like the Matrox Extio F2408E, allow incremental expansion of screens and users, which can reduce upfront costs.
- Multi-Mode vs. Single-Mode Fiber:** Multi-mode fiber is cheaper but limited in distance, while single-mode fiber supports longer distances at higher cost.
- Vendor Selection:** Prices...

Article Content

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 Fiber KVM Extender up to 550m for Remote PC

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

Fiber KVM Matrix System Market

Fiber KVM matrix systems are redefining remote connectivity for enterprises by enabling secure, high-performance signal distribution and centralized infrastructure management across data centers,

KVM Extenders with HDMI/DP/DVI/VGA/USB-C Inputs

Rextron KVM extender is the best solution to control the computer and server at a distance. Typically, it consists of a transmitter and a receiver, which extends control signals from computers or servers via

What is KVM (Keyboard, Video, and Mouse), and How

These extenders typically use Ethernet or fiber optic cables to cover long distances—up to 328 feet for Ethernet and as far as 19,685 feet for fiber

KVM Extender Modular Switching Module

DKM KVM Extender Modular Switching Module - 8-Port, (1) CATx Scalable, flexible and instantaneous crosspoint high performance KVM matrix switch. Click here to visit our DKM Custom Configurator

Extio 3 Series | High Performance IP KVM Extenders

Get more out of your digital workspace with Matrox® Extio 3 IP KVM extenders. Extio 3 meets the needs of AV and broadcast professionals in today's workplace by enabling secure remote access and

Fiber KVM Extender

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

DisplayPort 1.4 KVM Over Fiber Extender | 4K@30Hz 4:4:4

About this item □Fiber Optic 20KM 4K@30Hz Zero Latency□ Experience zero-latency 4K@30Hz DisplayPort transmission over single-mode fiber up to 20KM/12.4 miles - 66x farther than copper

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

KVM Matrix Switch, Fiber Optic KVM Extender, KVM

AVCIT provides Fiber KVM Matrix system with simple and smart user experience without wasting any fiber ports. Thanks to its dynamic ports, any PHINX ports

24 x 24 10Gb Multimode Fiber Matrix Switch

The TLX24 offers a compact, high performance, non-blocking matrix switch for complete, end-to-end routing of video and peripheral signals. The 1RU matrix is available in fiber, CATx and hybrid

Adder INFINITY 4K 60Hz KVM-Over-IP Dual

ADDERLink Infinity ALIF4021T is a dual-head 4K DisplayPort, Audio and USB 2.0 Fiber IP KVM Transmitter that is part of the Adder Infinity 4000 4K Digital

KVM Extenders | Matrox Video

Matrox KVM extenders allow you to centralize systems in a secure server room, and control them from a distance without compromising performance. Matrox KVM extenders can extend signals—such as

Network KVM over IP Switch vs Non-IP KVM Matrix:

Introduction to KVM over IP and comparison between IP KVM switch and the general AV/KVM matrix switch, with advantages of remote KVM over IP and

FOX3 Matrix 80x

The Extron FOX3 Matrix 80x provides high-performance switching of 4K/60 video, audio, USB, control, and 3D sync over fiber optic cable. Expandable from 8x8 up

FOX3 Systems

FOX3 Systems are the latest generation of fiber optic distribution solutions designed, engineered, and manufactured by Extron to meet the most demanding

Thinklogical TLX Matrix Switches EAL4

High-performance KVM matrix switches able to support uncompressed 4K @ 60Hz 4:4:4 video. The TLX series offers protocol agnostic, non-blocking 10Gbps

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

4K HDMI® IP KVM Matrix Extender over Cat5/Fiber

Hot Backup with Master and Backup Connections Kinan KFH188s IP KVM extender supports local (TX) HDMI interface loop-out, and hot backup function with dual

Extio 3 Series | Quad-Monitor IP KVM Extenders

Extio N3408 Secure IP KVM control for critical workflows Matrox Extio N3408 IP KVM extenders deliver 4K/UHD performance or quad-monitor capabilities over

KVM Matrix Switch

Get enterprise-level KVM features in a compact form Scale from 40 to 80 to 160 Ports Extend video, USB, and audio up to 10 km (6.2 miles) over fiber Support 4K 60 4:4:4 video with 10-bits per color

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

AV Access 4KIP500F-KVM fiber KVM extender, transmitting 4K HDMI and USB signals up to 550m/1800ft with zero latency. Works with an Ethernet switch to

KVM Extenders:Fibre-Optic:

DP KVM-Over-IP Extender/Matrix Device - Single Head, CATx + Fiber Extend, control, and manage your DP-based workstation over IP with the P2P-KDT300. Supporting flexible Direct,...

KVM Extenders | KVMGalore | Digital signage, KVM and audio/video ...

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.

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

Contact Us

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