

# Columbia Fiber Optic KVM Matrix



## Overview

Extend 4K and HD sources via CAT or Fiber cable to create flexible, wide reaching KVM over IP matrixing solutions. Highly scalable, with up to 3,000+ high-quality endpoints in a single system, it's the perfect solution for mission critical control and collaboration. Matrox KVM extenders can extend signals—such as keyboard, mouse, audio, video, RS232, and USB—over fiber, copper, LAN, or private WAN. With best-in-class. The ultimate zero latency, scalable, 4K60 solution. Single Mode & Multi Mode (Three Fiber) Fiber KVM Extenders. Dual Monitor. Thinklogical manufactures mid-to-large scale fiber-optic KVM matrix switches that are IA-accredited to manage multiple classifications of information through a single switch, simplifying authorized information access and improving operations center workflows. Thinklogical products have achieved. A KVM (keyboard, video, mouse) matrix is a hardware system that allows multiple computers to be controlled from a large number of workplaces via a central module. Usually, a KVM matrix consists of a combination of a central matrix switch and matrix-compatible KVM extenders. It combines the. Industry renowned Matrox Extio 2 Series works as a point-to-point KVM extender over fiber-optic cabling, to cover distances up to 1 km (3280 ft).



## Article Content

Feb 01, 2026

DKM Modular KVM Matrix Switching | Black Box

The DKM FX system enables flexible, instantaneous, and reliable matrix switching and extension of high-quality video, audio, and peripheral signals. Choose from

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Shop KVM Fiber Extenders | Markertek

Remote computer monitoring & control is easy with KVM fiber extenders from Markertek. Shop KVM Over Fiber Extenders and receive fast free shipping on orders over \$49!

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Fiber KVM Matrix

AVCIT PHINX is a Fiber KVM Matrix System with simple and smart user experience without wasting any fiber ports. Thanks to dynamic ports of KVM Matrix switch, any PHINX ports can be automatically

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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

Aug 14, 2025

KVM over IP Matrix System Implementation Guide

1. Introduction The ATEN KVM over IP Matrix System is a solution that combines KVM over IP Extenders with the KVM over IP Matrix Manager (CCKM) to extend, control and monitor access to

Aug 28, 2025

4K HDMI USB HID IP KVM Matrix Receiver Set with

The IP KVM matrix extenders are highly optimized KVM extenders. The point-to-point connection supports a transmission distance of 120m with CAT5e/6/6a/7

Nov 29, 2025

Fiber KVM Extender

Fiber KVM Extender High Performance Digital IP Extension / KVM Over IP Switch Matrix Single or Dual DVI, DisplayPort & VGA up to 4K 60Hz Build a Flexible

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Extio 2 Series | Fiber-Optic KVM Extenders | Matrox Video

Equipped with the latest Matrox KVM technology, the Extio F2208 extends the bus via a PCIe bus interface card while the fiber-optical connection guarantees

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KVM Matrix Systems: Flexible operator station administration

Both KVM matrix systems access the external server interfaces via the CATPro2 server modules (connection dongle). Whereas the CompactCenter X2 is used exclusively in stand-alone

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TLX48 2RU Matrix Switch

Specifications Resources 48-Port, 10G Fiber Optic KVM & Video Matrix Switch Configurable up to 48 x 48 switching Modular data cards 10 Gbps bandwidth per

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KVM-over-IP-Matrix-System-Product-Guide

These make the KVM over IP Matrix System perfect for security, broadcasting and traffic control rooms. Furthermore, in retail environments, the system can connect point-of-sales consoles with computers

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Advantages of Fiber Optic KVM Matrix System

Another advantage of Fiber Optic KVM Matrix Systems is their cost-effectiveness. By using a KVM matrix, businesses can reduce the amount of hardware they need, which can save them money on

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Extio 2 Series | Fiber-Optic KVM Extenders | Matrox Video

Extio 2 KVM extenders are ideally suited for applications in process control, transportation, emergency dispatch centers, and more. Matrox Extio F2408 is a

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Thinklogical Introduces Innovative New TLX Family of KVM Matrix ...

Thinklogical offers the only fiber-optic KVM matrix switches in the world that are accredited to the Common Criteria EAL4, TEMPEST Level B, and NATO NIAPC Evaluation Scheme:

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Secure High Performance KVM Extenders and Matrix

With Thinklogical extenders and matrix switches, you can back rack computers and maintain Information Assurance (IA) certified isolation between multiple classified

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KVM Over IP

Extend 4K and HD sources via CAT or Fiber cable to create flexible, wide reaching KVM over IP matrixing solutions. Highly scalable, with up to 3,000+ high-quality endpoints in a single system, it's

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

Model No.: KFH188S The IP KVM extender support resolutions up to 1920 x 1080@60Hz with ultra-low latency over standard 1 GbE networks. Featuring

Mar 19, 2026

Secure High Performance KVM Extenders and Matrix Switches

Thinklogical provides secure, high-performance, fiber-optic KVM extenders and matrix switches that offer uncompressed, high-bandwidth signal management and distribution for mission-critical defense

Nov 27, 2025

Fiber Optic Cable Selector

Configurators IP or non-IP? Copper or Fiber? Quickly select the ideal KVM, AV, Networking, or Cable product with our easy-to-navigate, intuitive selectors and configurators. Contact Us Home Insights

May 13, 2026

A BELDEN Brand Velocity Matrix Switch MX48 Matrix

Thinklogical | A BELDEN Brand Velocity Matrix Switch MX48 Matrix Switch: 48 Port, 6.25G Fiber Optic KVM, DVI RGB Video, USB, Audio EAL 4 Matrix Switch

Sep 10, 2025

KVM Matrix | Adder Technology

A KVM matrix combines the functionality of KVM switches and extenders but also adds the ability to share control and manage user access rights. Using a

Sep 21, 2025

KVM-over-IP-Matrix-System-Product-Guide

Our KVM over IP Matrix System allows virtual KVM matrices to be installed in control rooms to create workspace flexibility with instant access to various servers and video sources. The ultimate benefits

Aug 24, 2025

KVM matrix systems | Guntermann & Drunck GmbH

A KVM (keyboard, video, mouse) matrix is a hardware system that allows multiple computers to be controlled from a large number of workplaces via a central module.

Dec 11, 2025

Extio 2 Series | Quad KVM Optical Expander | Matrox

The Matrox Extio F2408E Expander adds 4 more displays to a Matrox Extio F2408 KVM extension solution. The optional Extio F2408E Expander is cost-effective as

Jul 12, 2025

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 FHD

## Contact Us

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

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