

Imported Fiber Optic KVM Manufacturers for Rail Transit



Overview

Fiber-Optic Solutions for Railway Infrastructure Founded in 1964, the family-owned company offers all-in-one solutions for communication and data networks.

Key Takeaways

Leading imported fiber optic KVM manufacturers for rail transit include IHSE (Germany) and Wingmax (China), offering high-performance, multi-monitor, and robust solutions for metro and railway control systems.

IHS

E (Germany) IHSE is a world-leading manufacturer of KVM extension and switching solutions, providing modular systems suitable for rail transit and other mission-critical applications. Their fiber optic KVM solutions allow operator workstations to connect to remotely located computers over long distances, protecting hardware and software while enhancing operator environments.

IHS

E products support analog and digital video, USB, and SDI signals, and can be configured for Cat X, fiber, or mixed cabling.



Their KV

M matrix switches enable real-time access and management by multiple users, making them suitable for dispatch centers and control rooms. Wingmax (China) Beijing Wingmax Technology Co., Ltd. specializes in fiber optic KVM technologies for rail transit, including KVM optical fiber matrices, distributed collaboration management systems, and video wall processors. Their products are widely deployed in metro PIS systems, dispatch centers, and monitoring centers, supporting 4K@60Hz video streams, zero-latency transmission, and automatic backup switching.

Wingmax devices are designed for harsh environments, with wide temperature ranges, dustproofing, salt spray resistance, and IP40 protection, making them suitable for both station and vehicle applications. Yingda (China) Yingda provides fiber optic network solutions for rail transit, including high-speed MPO/MTP cabling, DWDM/CWDM modules, PLC optical splitters, and SFP/SFP+ transceivers. While primarily focused on data transmission and network infrastructure, their solutions complement KVM systems by ensuring high-bandwidth, low-latency, and reliable optical connections between control centers, stations, and vehicles.

Yingda's products are suitable for 40Gbps vehicle Ethernet and interconnecting smart transportation data centers, supporting large-scale rail communication networks. Key Considerations for Rail Transit KVM High-speed, low-latency transmission for real-time monitoring and control. Multi-monitor support for dispatch and control room operations.

Environmental robustness: temperature extremes, dust, vibration, and moisture resistance. Integration with rail communication systems such as FRMCS and PIS. Scalability: modular KVM matrices for multiple users and remote locations.

These manufacturers provide imported, high-quality fiber optic KVM solutions suitable for rail transit projects worldwide, ensuring secure, efficient, and reliable operations in both metro and high-speed rail environments.

Article Content

Fiber-Optic Solutions for Railway Infrastructure

Founded in 1964, the family-owned company offers all-in-one solutions for communication and data networks. With the vision of unlimited communication for people and

Secure High Performance KVM Extenders and Matrix Switches

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

KVM Optical Transmission System for AV/IT Infrastructure | Multi ...

The Smart Rail Transit KVM Collaboration Management System effectively eliminates information silos, enhances the efficiency of rail transit command centers, improves emergency response capabilities,

Top KVM Manufacturers: Reliable Suppliers for Switches & Extenders

Need industrial-grade KVM solutions? Discover leading manufacturers offering 4K switches, fiber extenders, and multi-port systems for data centers. Compare verified suppliers and

KVM Switch Vendors / KVM Manufacturers

We work with a variety of manufacturers on an ongoing basis to help us deliver superior results for our customers. Our Preferred KVM Switch Vendors are those manufacturers with the lowest percent of

Providing Professional Audio-Visual Products and Solutions for the

We have developed a range of products tailored to the rail transit industry, such as KVM collaboration management systems, distributed collaboration management systems, KVM optical fiber matrices,

Fiber Optic Network Cable For Rail Transit | Yingda

Yingda is a professional fiber cable company with 13 years of rich production experience and a rich project case base, which can effectively help you improve the communication transmission rate of

Intelligent Transportation System (ITS) | Smart

By leveraging fiber optic technology, railway operators can optimize train control, monitor infrastructure conditions, and enhance the overall travel experience for

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

KVM Extenders:Fibre-Optic:

VE882 - Aten - HDMI Optical Extender / HDMI Fibre Optic Extender (1080p@600m) Video Extender (VE Range) The VE882 is an Optical HDMI Extender that overcomes the length restriction of standard

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KVM switch

Find your kvm switch easily amongst the 67 products from the leading brands (Fujitsu, Black Box, ATEN, ...) on DirectIndustry, the industry specialist for your

KVM Extender Manufacturers in India | LAN Fiber KVM | Sundar

Sundar Techno Solutions, Bangalore, India is among the KVM Extender Manufacturers and Suppliers in India, offering Industrial Grade KVM Extenders designed for control rooms,

Niger Rail Transit Fiber Optic KVM Project

The project has two major components: first, the construction of a 1,031-km national and cross-border fibre-optic network; and secondly, the installation of a Tier III national data centre.

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.

Imported KVM Fiber Optic Matrix Interface Solution

By its advanced features and uncompressed image transmission with redundancy features to transmit 4K@60 4:4:4 chroma images, the solution is add-value for control room, TOC, AOC in transportation,

StarTech 4K HDMI KVM Extender Over Fiber

USB and 4K HDMI KVM extender over fiber controls a KVM switch/console or PC using fiber optic cable up 4K 60Hz UHD video (up to 3840 x 2160 60Hz)/4 -4 -4 sampling Open SFP+ slots allows for MSA

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions. See who tops the list for quality and innovation.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

