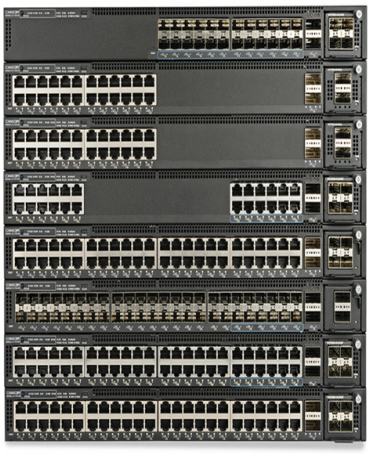
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International fiber optic KVM brand manufacturer



Overview

Top KVM Manufacturers: Reliable Suppliers for Switches & ExtendersNeed industrial-grade KVM solutions?

Discover leading manufacturers offering 4K switches.

Key Takeaways

Leading international manufacturers of fiber optic KVM systems include ATEN, IHSE, Thinklogical, Rextron, and Black Box, offering high-performance solutions for secure, long-distance, and multi-user environments.Key Manufacturers and Their Offerings



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ATEN International – A global player providing fiber-optic KVM matrix systems with seamless switching, extended range, and support for uncompressed 4K/8K video, widely used in data centers and broadcasting studios . IHSE (Germany) – Specializes in modular KVM extension and switching solutions, supporting fiber, Cat X, or hybrid cabling. Their systems allow secure remote access to computers, real-time multi-user management, and integration with video converters, CWDM devices, and repeaters . Thinklogical (USA) – Manufactures mid-to-large scale fiber-optic KVM matrix switches with IA certification, Common Criteria EAL4, NATO GREEN status, and TEMPEST SDIP 27 Level B compliance. Their solutions enable secure back-racking of computers, multi-classification network management, and reduced infrastructure complexity . Rextron (Taiwan) – Offers fiber-optic KVM extenders capable of distances up to 70 km, supporting HDMI, DisplayPort, USB, IR, and RS-232 signals. Their products are designed for high-EMI environments and provide high-resolution video (up to 4K 60Hz) with secure remote access . Black Box, Eaton, Siemens, Legrand, Austin Hughes, Guntermann & Drunck – These companies provide diverse fiber KVM solutions, including matrix switches and extenders, catering to mission-critical control rooms, broadcasting, and enterprise IT infrastructure .

Considerations for Selecting a Manufacturer
• Distance and Bandwidth: Fiber-optic KVM systems vary in maximum transmission distance (from hundreds of meters to tens of kilometers) and video resolution support (up to 8K).

• Security and Certifications: For sensitive environments, certifications like TEMPEST, Common Criteria, and IA compliance are critical.

• Scalability and Modularity: Modular systems allow expansion of user workstations and connected computers without major infrastructure changes.

• Support and Customization: Manufacturers like IHSE and Rextron offer configurable solutions and accessories to tailor KVM setups to specific operational needs .
Market Insights

The global fiber distribution KVM matrix system market is growing steadily, projected to reach USD 763 million by 2034, driven by demand for remote management, high-resolution video, and secure IT operations . Leading manufacturers are continuously enhancing products with extended range, seamless switching, and multi-user capabilities to meet the needs of data centers, broadcasting, and mission-critical control rooms. These manufacturers represent the most reliable international sources for fiber optic KVM systems, providing solutions that combine high performance, security, and long-distance connectivity.

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