

KVM Switch Connection Cable



Overview

Amazon.com: Kvm Cable StarTech 6ft DisplayPort and USB 5Gbps KVM Cable, 4K 60Hz, HDR10 | Connects computer to DisplayPort switch, DisplayPort 1.2 KVM Switch.

Key Takeaways

KVM switches typically use USB or PS/2 cables for keyboard and mouse connections, combined with video cables such as VGA, DVI, HDMI, or DisplayPort depending on the switch and monitor type. Types of KVM Cables

1. USB KVM Cables: Most modern KVM switches use USB cables to connect the keyboard and mouse to the switch and then to each computer. These cables are widely compatible and support plug-and-play functionality . 2. PS/2 KVM Cables: Older KVM switches may use PS/2 connectors for keyboards and mice. These are less common today but are still used in legacy systems . 3. Video Cables: The video connection depends on the monitor and KVM switch type:

- VGA cables for analog video signals.
- DVI cables for digital video.
- HDMI cables for high-definition video and audio.



- DisplayPort cables for high-resolution displays and multi-monitor setups . 4.

Integrated Multi-Cable Assemblies: Some KVM cables combine video, keyboard, and mouse connections into a single cable for each computer, simplifying installation and reducing clutter . 5. Cat5/Cat6 KVM Cables: For longer distances (over 25 feet), KVM switches may use Cat5 or Cat6 cables with adapters to extend the connection up to 1,000 feet, commonly used in server rooms .

Considerations for Choosing KVM Cables

- Connector Compatibility: Ensure the cable matches the ports on both the KVM switch and the computers.
- Resolution Support: Use cables rated for the highest resolution of your monitors, especially for 4K displays.
- Cable Length: Standard USB KVM cables are sufficient for up to 25 feet; longer runs require Cat5/Cat6 solutions.
- Audio Support: Some HDMI or DisplayPort KVM cables carry audio, while others may require separate audio connections . By selecting the correct combination of USB or PS/2 for peripherals and the appropriate video cable type, you can ensure seamless switching and reliable performance across multiple computers.

Article Content

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Different KVMs work with different cables (HDMI, VGA, DisplayPort, USB-A, USB-C, and so on). The biggest

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