

RIVO MULTITRADE OPTICAL SYSTEMS

DP port KVM switch



Overview

KVM Switch DisplayPort, 2 Port DP KVM Switch for 1 About this item DisplayPort KVM Switch: TCNEWCL 2-port DP KVM switch is Amazon.com: Displayport Kvm Swit.

Key Takeaways

A DP KVM switch allows you to control multiple computers from a single keyboard, mouse, and DisplayPort monitor, supporting high resolutions, dual monitors, and USB peripheral sharing. Overview

A DisplayPort KVM switch enables users to manage two or more computers using a single set of peripherals, simplifying multi-PC setups and improving workspace efficiency. These switches are ideal for professionals, gamers, or anyone needing to switch between multiple systems without constantly reconnecting devices .

Key Features



High-Resolution Support: Most DP KVM switches support resolutions from Full HD (1080p) up to 4K UHD at 60Hz, with some advanced models supporting 8K at 60Hz or 4K at 144–165Hz for gaming or professional graphics work . They also support features like HDR, VRR, and MST for multi-stream transport . **Dual-Monitor Capability:** Certain models, such as the AV Access 8KSW21DP-DM, allow dual-monitor setups, letting you view and control two screens simultaneously from one keyboard and mouse . This is particularly useful for multitasking or gaming setups. **USB Peripheral Sharing:** DP KVM switches often include USB 3.0 and USB 2.0 ports, enabling shared use of keyboards, mice, printers, webcams, and external drives between connected computers . Some models also support USB-C (data only) for additional device connectivity . **Switching Methods:** Switching between computers can be done via physical buttons, hotkeys, IR remote, or desktop controllers, providing flexibility depending on user preference .

Technical Considerations

- **Direct DP Connection Required:** Computers must have a DisplayPort, mini-DP, USB-C (with DP Alt Mode), or Thunderbolt output, and monitors must have a DP input. HDMI, DVI, or VGA cannot be adapted to DP KVM switches .
- **EDID Limitations:** Some DP KVM switches do not support EDID emulation, meaning the switch cannot simulate a monitor's presence. This can affect window placement when switching between PCs .
- **Cable Requirements:** High-resolution setups, especially 8K or high-refresh 4K, may require certified DP 2.0 cables to prevent flickering or signal issues .

Use Cases

- **Professional Workstations:** Designers, video editors, and engineers can switch between multiple PCs while maintaining high-resolution displays.
- **Gaming Setups:** Gamers can control a gaming PC and a workstation with dual monitors and high refresh rates.
- **Home Office Efficiency:** Users with multiple computers can reduce desk clutter and streamline workflow by sharing peripherals and monitors.

Summary

A DisplayPort KVM switch is a versatile tool for managing multiple computers efficiently. It supports high-resolution displays, dual monitors, and USB peripheral sharing, with fast switching options. When selecting a DP KVM switch, ensure your computers and monitors are compatible with DisplayPort, and consider cable quality and EDID support for optimal performance .

Article Content

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