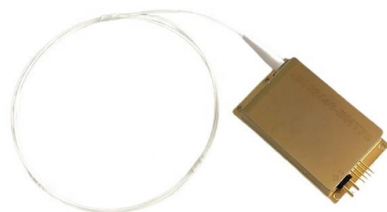


KVM Switcher and Screen Splitting



Overview

Discover KVM switches that let 2 computers share one monitor, keyboard, and mouse. Streamline your workspace with easy switching.

Key Takeaways

Yes, certain KVM switches can split a single monitor to display multiple computers simultaneously using features like PiP, PbP, and multi-window layouts. Split-Screen KVM Functionality

Some advanced KVM switches, such as the Rexton QSKEM-2814, allow users to operate multiple computers on a single monitor by providing split-screen modes including Picture-in-Picture (PiP), Picture-by-Picture (PbP), Full-View, and Quad-View. These switches can display video from 1, 2, or 4 computers simultaneously, with adjustable window size, position, and transparency, while maintaining the aspect ratio and resolution of each source. This enables seamless multitasking and monitoring of multiple systems on one display.

Limitations and Considerations

Not all KVM switches support split-screen functionality. Standard KVM switches typically allow switching between computers but only display one computer at a time on a single monitor. Attempting to use a simple HDMI splitter with a KVM will only mirror the same output across multiple monitors, not create a true split-screen setup. To achieve split-screen, you need a KVM specifically designed for multi-view or multi-window operation.

Dual-Monitor and Multi-Computer Setups

For setups with dual monitors, KVM switches can manage multiple computers while keeping each monitor dedicated to a specific display, but this is different from splitting a single screen. Proper cables, adapters, and compatible KVM models are required to maintain resolution and refresh rates across all monitors . Some monitors now integrate KVM functionality directly, simplifying the setup for dual-PC or multi-computer workflows .

Summary

- Standard KVM switches: Switch between computers, one screen at a time.
- Split-screen KVM switches: Display multiple computers simultaneously on one monitor using PiP, PbP, or multi-window layouts.
- Requirements: Compatible KVM model, proper video connections, and sometimes docking stations or adapters for multiple outputs. If your goal is to view multiple computers on a single monitor simultaneously, ensure you select a split-screen KVM switch rather than a standard KVM or simple HDMI splitter.

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A monitor with a KVM switch was exactly what my dual PC setup needed

Put simply, it was a game-changer. Adding a KVM switch to my desk setup was exactly what my dual PC setup

KVM switch

Symbolic representation of a KVM switch. The computer on the right is currently being controlled by the peripherals. Enterprise 1U

1U Quad Screen Multiviewer with Built-In KVM Switch

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