

Article Overview

KVM switches come in several types, including USB, PS/2, HDMI, DVI, and DisplayPort, each designed for specific devices and setups.

Common KVM Switch Types

USB KVM Switches These are the most widely used KVM switches, allowing control of multiple computers using a single USB keyboard, monitor, and mouse. They are versatile, easy to set up, and compatible with laptops, desktops, and servers, making them ideal for home and office use . **PS/2 KVM Switches** Less common today, PS/2 KVM switches use PS/2 connections for keyboards and mice. They are often found in older setups or environments where USB devices are restricted. PS/2 switches are reliable for legacy systems but offer limited flexibility compared to USB models . **HDMI KVM Switches** Designed for devices with HDMI outputs, these switches support high-definition video and are suitable for gaming consoles, Blu-ray players, or home entertainment systems. HDMI KVM switches maintain excellent video quality and can handle multiple HDMI-enabled devices . **DVI and DisplayPort KVM Switches** These switches cater to professional or high-resolution setups, such as graphic design, video editing, or multi-monitor workstations. They support digital video signals and often include USB and audio switching capabilities, ensuring seamless control across multiple high-performance computers . **Multi-User and Enterprise KVM Switches** Enterprise-level KVM switches can manage dozens or even thousands of computers, often with daisy-chaining or cascading capabilities. They are used in data centers, server rooms, and command centers, providing multi-user access, security features, and remote management options .

Key Considerations When Choosing a KVM Switch

- o **Number of computers:** Determine how many systems you need to control now and in the future.
 - o **Video interface:** Choose based on your devices' outputs (VGA, DVI, HDMI, DisplayPort).
 - o **Peripheral support:** Consider USB 2.0/3.1, audio, or other device switching needs.
 - o **User access:** Decide if multiple users need simultaneous control.
 - o **Distance and extenders:** Evaluate the distance between the console and computers for signal quality.
 - o **Security:** Some KVM switches offer password protection, tamper resistance, and data isolation for sensitive environments .
- By understanding these types and features, you can select a KVM switch that fits your setup, whether for home, office, or enterprise applications.

Modern KVM extenders are able to transmit a large variety of types of signals including VGA, DVI, HDMI, (HD)-SDI, DisplayPort



KVM Switcher Types

Discover key insights for selecting the optimal KVM switch to manage your IT operations effectively. Learn about crucial

To ensure you get a KVM that switches fast and supports your preferred switching method through your setup, you'll

KVM Switch models include peripheral access for USB or PS/2 keyboard and mouse, as well as a mix of USB 3/2/1 devices, audio

KVM stands for Keyboard, Video, and Mouse, and a KVM switch allows you to control

And as computer technology continued to evolve, so did KVM switches which led to the development of a variety of

Discover Eaton's KVM switch buying guide to learn about features, benefits, and choosing the right model for your needs.

The right KVM switch type depends on the structure of your workstation. Start with the

This is the type of switch found in a data center, for example. From an actual application and technology perspective,

Control multiple computers with one keyboard, mouse, and monitor using our recommended KVM switches, with setup

What is KVM? Kernel-based Virtual Machine (KVM) is an open source virtualization technology for Linux®; operating

If you ever wished you could use one keyboard and mouse with multiple devices, you'll be

Some KVM switches are used in on-site applications to manage Ethernet-based local area networks (LANs). Others are used in

Video type - KVM Switches can support a variety of Digital and Analog video connector types. Video

You need to know about KVM switches: what they are, how they work, the different types

For KVM-over-IP solutions, network bandwidth plays a critical role in performance. Higher compression technologies allow smoother

Web: <https://bssoda.pl>

KVM Switcher Types

