

Latency-free KVM switch



Article Overview

Modern high-quality KVM switches can achieve near-zero latency, with some models offering seamless switching and imperceptible input lag for gaming and professional use.

Understanding KVM Switch Latency

KVM switches allow a single keyboard, monitor, and mouse to control multiple computers. Concerns about latency arise because any additional processing or signal routing can introduce delays between user input and on-screen response. However, high-end KVM switches typically add less than 1 millisecond of input lag, which is imperceptible even in competitive gaming scenarios, while budget or older models may introduce 2-5 milliseconds of delay. Factors affecting latency include switch quality, cable length, peripheral compatibility, video resolution, and refresh rate.

Features of Low-Latency KVM Switches

To minimize latency, look for KVM switches with the following features:

- **Digital Switching Technology:** Reduces processing delays compared to analog switches.
- **High-Speed USB 3.0/3.2 Support:** Ensures fast peripheral data transfer and seamless HID switching.
- **DisplayPort 1.4 or HDMI 2.0:** Supports high refresh rates (240Hz+) and high resolutions without introducing lag.
- **EDID Management:** Maintains consistent display settings and prevents flickering or black screens during switching.

Article Content

8 Best KVM Over IP Switches (July 2026) Ranked and Tested

Discover the best KVM over IP switches of 2026. Our experts tested 8 top models for latency, resolution, and security to

JetKVM IP KVM PC Remote Control, Jet KVM Over IP Ethernet

JetKVM BIOS Access & Touchscreen: This IP KVM enables browser-based remote control of computers/servers (no software/fees)

JetKVM IP KVM PC Remote Control, Jet KVM Over IP Ethernet

Ultra-Low Latency KVM over Internet Streaming: This Network KVM delivers 1080p 60FPS HD video via H.264 encoding with 30

Chasing unreasonably low-latency KVM solutions : r/pcmasterrace

Chasing unreasonably low-latency KVM solutions Hi, I'm in the market for a KVM, but I'm concerned about input latency (to an

Does anyone here game on a KVM? Some latency concerns...

Most KVM switches that support USB have such a general purpose port which is sometimes marked as the "mouse port". Latency on

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.yachtchartercapetown.co.za>

Email: info@yachtchartercapetown.co.za

Phone: +27 21 863 4927

Address: 1st Floor, The Towers, 1 St George's Mall, Cape Town, 8001, South Africa

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