

KVM Switch Interconnect Risks



Overview

Researchers have uncovered alarming IP KVM vulnerabilities embedded in the firmware of four major manufacturers, putting data centers, government agencies, and critical infrastructure at serious risk of silent, undetectable attacks. KVM (Keyboard, Video, and Mouse) switches have become an essential component in many industries, including finance, government, and healthcare, where multiple computers need to be accessed and managed from a single workstation. In addition to blocking data leakage between multiple connected computers/ servers, a secure KVM switch can prevent eavesdropping through LCD monitors (EDID). Researchers are warning about the risks posed by a low-cost device that can give insiders and hackers unusually broad powers in compromising networks. The devices, which typically sell for \$30 to \$100, are known as IP KVMs. Administrators often use them to remotely access machines on networks. Has this created a new security risk or can this actually improve the security. Do KVM switches pose a security risk if I want to hook up my peripherals from my personal pc with work laptop?

I've read that they are a solution to share the use of my monitors with my work laptop without the massive hassle of unplugging/replugging awkward cables all the time.



Article Content

Hot

Securing KVM Hosts and VMs on Linux

Explore the ways to secure KVM hosts & VMs on Linux. Learn about firewall configurations, access controls & proper auditing measures.

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KVM switch

A KVM switch (with KVM being an abbreviation for "keyboard, video, and mouse") is a hardware device that allows a user to control multiple computers from one or

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Enhancing Cybersecurity with KVM Switches: Protecting Sensitive

KVM switches help mitigate this risk by restricting access to sensitive systems and data. By limiting the number of users who can physically interact with the computers, KVM switches

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Can a KVM Switch be Hacked? Understanding the Risks and

A KVM switch is a hardware device that allows users to control multiple computers from a single keyboard, mouse, and monitor. While KVM switches offer convenience and flexibility, they

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What Is a KVM Switch?

One other option is to use a software KVM and just have an extra monitor running; that way, you at least save some space while also being able to

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Researchers disclose vulnerabilities in IP KVMs from four manufacturers

On Tuesday, researchers from security firm Eclypsium disclosed a total of nine vulnerabilities in IP KVMs from four manufacturers. The most severe flaws allow unauthenticated

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Meeting Cybersecurity Threats With Secure KVM Switches

Together, these features and capabilities enable a secure KVM switch to address the requirements of the most demanding applications, including deployment in government and military environments.

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KVM Switches & Physical Peripheral Isolation in Co-Working Spaces

Secure KVM switches with hardware peripheral isolation help IT managers meet NIAP PP 4.0, HIPAA, and PCI DSS in co-working spaces. Free pre-sale consulting.

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Can a KVM Switch be Hacked? Understanding the Risks and Mitigations

The KVM switch can be a simple and convenient way to manage multiple computers, but it can also introduce security risks if not properly configured and maintained.

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from Cyber Threats with the Latest KVM Technology

Secure KVM for State and Local Government Many federal government agencies mandate the use of NIAP certified secure keyboard-video-mouse (KVM) switches at operator stations that need access

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Improving Cybersecurity with KVM Switches: Physical

Conclusion KVM switches play a vital role in enhancing cybersecurity through physical separation of systems. By isolating critical systems from less

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Why use a secure KVM?

Secure KVM is the Only Solution for Safe Peripheral Sharing By sharing a single set of keyboard, video, mouse and audio peripherals while maintaining full isolation, secure KVM switches eliminate the

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The Security of KVM Switch in Applications

If a KVM system is set up to operate remotely, then naturally there are risks. Enterprises should develop the crucial notion that they should never skimp on security when choosing IP based KVM.

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Are KVM Switches a Security Risk? Understanding the Vulnerabilities

However, as with any technology, KVM switches are not immune to security risks. In this article, we will delve into the potential security vulnerabilities associated with KVM switches and

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How KVM Switches Help Isolate Computers from

Conclusion KVM switches are invaluable tools for enhancing cybersecurity by isolating computers from networks and preventing unauthorized

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What is a KVM switch? Everything you need to know

A KVM switch allows for switching of the keyboard, video, and mouse between multiple computers with a push button, shortcut key, mouse button, or

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Best Practices for KVM-over-IP Security

It emphasizes system hardening, firmware updates, and potential integration with NIAP4-certified KVM switches to ensure secure access to servers, virtual

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KVM Switches: A Security Threat Some Might Leave

Everything about the Belkin Secure DVI-I KVM Switch is air-tight, right down to the tamper-evident outer packaging and cabinet labels. Fully redundant circuitry

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Lock It Down with Secure KVMs in a World of Rising Threats

With ATEN Secure KVM Switches, they: Guaranteed separation between classified and unclassified systems. Locked down USB access to only authorized peripherals. Removed risk of tampering, with

Jun 02, 2026 Hot

What's a KVM switch? The pros, cons, and why you

If you ever wished you could use one keyboard and mouse with multiple devices, you'll be glad to know that you can — with a KVM switch!

Mar 09, 2026 Hot

Do KVM switches pose a security risk if I want to hook up my ...

So long as you don't connect any storage devices to your kvm there is no risk to anything. I use a displayport+usb2.0 kvm at home to switch between my home pc and work laptop.

Sep 04, 2025 Hot

Unveiling the Truth: Are KVM Switches Truly Secure?

Case studies provide valuable insights into the potential vulnerabilities and risks associated with KVM switches in various industries and settings. These examples will demonstrate

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IP KVM Vulnerabilities Exposed: Critical Security Flaws Threatening ...

Researchers have uncovered alarming IP KVM vulnerabilities embedded in the firmware of four major manufacturers, putting data centers, government agencies, and critical infrastructure at

Jun 01, 2026 Hot

Meeting Cybersecurity Threats With Secure KVM Switches

This white paper explores the critical role of secure KVM switches in mitigating cyber threats, emphasizing the importance of the NIAP Protection Profile V4.0. It

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Unveiling the Truth: Are KVM Switches Truly Secure?

KVM switches can be secure if proper security measures are in place, such as strong encryption, authentication, and access controls. However, they can also pose security risks if not

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Understanding KVM Switches

Learn about KVM switches, their features, types, and how they can improve your business efficiency. Understanding their working and benefits allows you to control multiple computer systems

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What Is a KVM Switch and Why Use It?

Learn what a KVM switch is and discover how integrating one can streamline your tech setup. Find the right switch to optimize your workspace!

Feb 10, 2026 Hot

Strengths And Weaknesses Of Using KVM Switches Over TCP/IP

It will discuss the situation before the advent of KVM using TCP/IP, and the benefits of using this new technology, along with the inherent risks involved. Five different models of switches will be briefly

Oct 13, 2025

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