

KVM Switch with Dual NICs



Overview

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Key Takeaways

KVM switches with dual NICs, such as the Aten KN2116v and KL1116VN, provide reliable local and remote access to multiple servers with enhanced redundancy and network management capabilities.

Key Features of Dual-NIC KVM Switches

Dual NICs allow KVM switches to maintain network redundancy, ensuring continuous remote access even if one network interface fails. These switches are ideal for data centers and server rooms where uptime is critical. Many models also include dual power supplies for additional reliability, supporting 24/7 operation. Other notable features include:

- Local and remote access: Operators can manage servers directly at the console or over IP using a web browser.
- Out-of-band access: External modem support allows BIOS-level troubleshooting when the network is down.
- Blade server and chassis support: Enables management of complex server setups.
- Power Association: KVM ports can be linked to PDU outlets for remote power management.

- Video Session Recording: Operations from BIOS to OS configuration are recorded for auditing and security .
- Virtual Media: Map remote storage devices for file transfers, OS updates, or diagnostics .
- Energy efficiency: Built-in temperature sensors and fan control reduce operational costs .

Recommended Models

- Aten KN2116v: A KVM over IP switch with dual NICs and dual power supplies, designed for high reliability in data centers. It supports remote management, blade servers, and includes advanced features like CCVSR video session recording and virtual media .
- Aten KL1116VN: A 16-port Cat 5 dual rail LCD KVM over IP switch with dual NICs, retractable LCD monitor, and keyboard/touchpad. It supports both local and remote access, blade servers, and centralized management via CC2000 software . These models are suitable for IT administrators who need robust, redundant, and secure access to multiple servers, minimizing downtime and travel for on-site management.

Use Cases

- Data centers: Continuous monitoring and management of multiple servers.
- Remote IT administration: Access servers from anywhere with network redundancy.
- High-availability environments: Dual NICs and power supplies ensure minimal service disruption.
- Audit and compliance: Video session recording provides a secure log of all operations. When selecting a dual-NIC KVM switch, consider the number of servers, required video outputs, remote management needs, and whether features like virtual media or session recording are necessary for your workflow .

Article Content

StarTech 2-Port HDMI KVM, 4K 60Hz, Bus Powered,

The SV211HDUA4K 2-Port 4K60Hz HDMI Cable KVM Switch with Audio and Remote Switching Control

Related Video Reference

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