Managing your servers from anywhere in the world! Rextron’s Digital KVM via IP, KIPS-01, allows network administrators to control and monitor servers from anywhere in the world over the Internet. More than that, it also allows BIOS level remote control of a target server or servers connected to a KVM switch over a TCP/IP network. Administrators can control, reset and reboot servers in a datacenter from a remote location and even watch the entire boot process remotely. It offers unique USB capability and the ability to transfer files to the server from a remote location. Remote CD-ROM emulation even allows you to install or update your server’s Operating System via an Internet connection.

This unit is controlled from any web browser, eliminating the need for proprietary client access software, saving thousands of dollars in per user licensing fees. Security is assured for your sensitive data using several security mechanisms, including Radius authentication, SSH tunneling, etc. It is compatible with most existing KVM switches and provides full cross-platform and multiple operating system support.

**Security**

First and only "Networked KVM" to use end-to-end encryption via 128-bit SSL or SSH tunneling. Everything is encrypted, even the video picture itself!

Firewall friendly: all other services may be disabled, leaving just SSH (port 22) open. Full access is possible via just the SSH port. All port numbers are configurable.

**Control**

PS/2 Keyboard and mouse emulation, plus USB keyboard and mouse emulation.

Unique virtual USB drive: simulate USB floppy disk or CD-ROM drive over the network. Access a CD-ROM image as if it was installed on the machine (even for booting). Permits complete operating system replacement from a remote location! Transfer files back and forth between server and network.

Operates completely independently of host server: runs even if the power is off and the server’s CPU is locked up.

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**Features**

- Includes an onboard Web Server, providing browser-based configuration and administration. Access is controlled via user ID and SSL password encryption. 16 discrete user accounts are supported.
- Access to the web console is user ID and SSL password secure. The Remote Server Management over IP card supports 32 user accounts and incorporates SSL encryption of session data, and SSL web communication encryption.
- Obtains an IP address using DHCP or manual configuration
- Flash upgradeable
- Low bandwidth - usable even over a dialup connection
- Users can reboot the system, access the BIOS, and have full control over the keyboard and mouse - as if they are on site
- Web-based control allows client access using a standard browser - eliminating licensing costs and simplifying usage
- External power adapter allows the host server to be shut down and restarted by a remote user

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**KIPS 01**

Fastest over the LAN **and** Least bandwidth over Internet

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Hardware:

- End to end encryption
- VNC open-source client
- USB file transfer
- RADIUS, SNMP and DHCP
- Tiny metal case
- Dual ethernet
- Dial-up modem option

Connectors and Indicators

- Ethernet LAN: Connects device to any existing TCP/IP network.
- Secondary WAN ethernet: Provides a secondary network data path. This port has a separate security profile, so that it can be used in a DMZ (De-Militarized Zone) or even connected to the public Internet.

KVM+ Connections

- PS/2 Keyboard, mouse to host.
- Video in from host.
- USB to host.
- RS-232 DCE to host (used for setup).
- Video Out to monitor.
- PS/2 Keyboard from a Keyboard.
- PS/2 mouse in from a mouse.
- External DC Power in (dual redundant)

LED Indicators: LAN, WAN link/activity (x2 each), USB Good Link (x2), VGA good (x2), Power (x2).

External Modem: Factory installable option gives dial-up modem access, for the ultimate in remote access.

RS-232 DTE port: For connection to external power bar, UPS, external modem or IPMI enabled system.

IPMI v1.5 option: Connect serial port to IPMI enabled server to monitor health (voltages, temperatures) and power on/off.

General Specifications

- Max video mode: 1600x1200 @ 85Hz (and all non-interlaced VESA modes).
- Compatible with most enterprise-class KVM switches with on-screen control.
- Included cables: external AC/DC power supply.
- Dimensions: 7.8"W x 0.84"H x 6.6"D, plus connectors.
- Max power consumption: 15 watts.
- Options: Secondary/redundant power supply.

Rack mounting kit. Mounts up to four units in 1RU of space.

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