

# Kaveman

Complete Remote KVM Control Via TCP/IP



## Extend Your IT Reach Beyond The Server Room

Using the most advanced KVM technology, Kaveman provides you with complete Keyboard, Video, and Mouse control of your mission critical servers, quickly and effectively over the Internet or any networked location.

Kaveman enables you to remotely perform many functions that would normally require you to enter the server room such as resetting hardware, configuring the BIOS, and cycling power. By having full access to your server's primary I/O (keyboard, video, mouse), Kaveman provides you with the capability to administer your devices and take action to correct problems immediately from any location via IP.

With no software to install, Kaveman does not impact server performance and seamlessly supports multiple platforms and operating systems. Since Kaveman does not require any user licenses and provides remote access using standard web browsers or VNC, it eliminates the need for proprietary software updates and reduces administration costs.

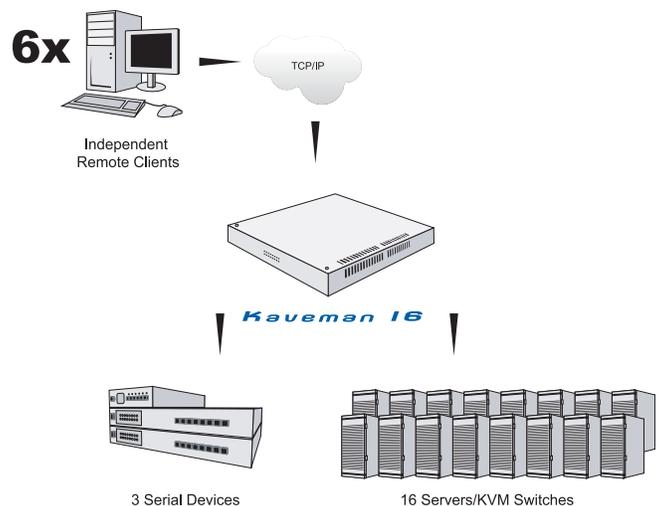
Kaveman is guarded by multiple users/passwords and employs 128-bit SSL encryption to encrypt all keyboard and mouse signals. In addition, Kaveman offers specialized security features such as the 'Stealth mode' and 'Turtle mode', and is compatible with SSH and VPN environments. Most importantly, with full remote access capability to your equipment, you can reduce personnel traffic to your server room, keeping your data room more secure.

With Kaveman's built-in monitoring and notification features, you will be able to fully rely on the device to notify you of problematic symptoms of your servers before they become critical. In an environment where you are implementing multiple Kaveman units, the Kaveman Centralized Access (KCA) application allows you to authenticate through the Active Directory® and access any authorized channels attached to any linked Kaveman through a single entry point Web Interface.

**Kaveman is an integral and easy-to-implement solution for your IT management infrastructure, allowing you to easily monitor, administer, and support your mission-critical network.**

### All-In-One KVM Solution

- Complete remote KVM control over the Internet
- Full BIOS level access
- Multiple simultaneous / independent access
- Over IP power cycling
- Non-intrusive and reliable
- No software installation or additional hardware required
- Automatic monitoring and notification of server activities



# SPECIFICATIONS

## TECHNOLOGY

- Dedicated hardware design
- Embedded operating system & application software
- Embedded HTTP/1.1 & HTTPS secure web server
- Embedded VNC server using RFB 3.3 protocol & Hexfile encoding
- Flash upgradeable firmware over browser interface

## KEYBOARD, VIDEO & MOUSE (KVM)

- KVM ports use standard HD15 and PS/2 connections
- Keep alive feature on all inputs
- Kaveman:1 server + 1 local console KVM port
- Kaveman 8:8 server + 1 local console KVM port
- Kaveman 16:16 server + 1 local console KVM port

## CONNECTIVITY

- 1x RJ-45 10/100TX Ethernet Port with activity indicators
- Kaveman and Kaveman 8 each has 2 serial ports (RS-232) ; Kaveman 16 has 3 serial ports (RS-232)

## SECURITY

- Virus proof - through embedded technology
- X.509 certificate public key encryption
- 128-bit SSL keyboard and mouse encryption (Kaveman 16 also with video encryption)
- Supports RC4 and DES algorithms
- Advanced Security Features:
  - Stealth mode - prevents port scans and network probes
  - Turtle mode - option to deactivate remote access when attacked
- Compatible with VPN and SSH technologies

## SUPPORTED PROTOCOLS

- DHCP
- SNMP
- BSD Syslog RFC3164

## NETWORK REQUIREMENTS

- SMTP server (for email notification)
- Open Java and VNC port (user specified)

## TARGET SERVER REQUIREMENTS

- PS/2 compliant for keyboard and mouse
- VESA compliant mode of up to 1280x1024@75Hz
- Serial terminal access port (for telnet)

## REMOTE SYSTEM REQUIREMENTS

- Internet Explorer 6+, Netscape 7, or Mozilla 1.6
- Sun Java 2 Runtime Environment (1.4.1 or higher recommended)
- VNC Client (optional)
- Recommend P III Processor equivalent or better
- Telnet client for terminal server access

## ELECTRO MECHANICAL FEATURE

- Kaveman : 5.7"W x 1.75"H (1U) x 16"D
- Kaveman 8 : 17"W x 1.75"H (1U) x 12.5"D
- Kaveman 16 : 17"W x 3.5"H (2U) x 11.25"D
- Built-in industrial strength power supply
- 100-240 VAC @ 50/60Hz, auto-sensing
- CSA Certified
- FCC Class B compliant pursuant to part 15
- Temperature: 10C to 40C Operating, -20C to 60C Storage

## WARRANTY

- Two year parts and labor

## KAVEMAN FAMILY OF PRODUCTS

Kaveman is available in single, eight, and sixteen channel configurations to suit your network needs. Every Kaveman model provides you with complete remote control of your servers over the Internet or any networked location. Common features include:

- KVM access via web browser
- Remote power control (power cycle, on/off) - Optional
- Multipurpose serial ports (telnet, external log, and watchdog features)
- Automatic monitoring and notification
- No software installation required
- Supports concurrent/non-blocking channel access
- 128-bit SSL keyboard and mouse encryption (video encryption is also available for Kaveman 16)
- Supports multiple users/password profiles
- Specialized security features: Stealth mode and Turtle mode
- User configurable hot keys
- SNMP compliant
- Flash upgradeable firmware over browser interface
- Compatible with most KVM switches and supports multiple OS
- Keyboard and mouse keep alive feature

### KAVEMAN SINGLE-CHANNEL UNIT

- 1 server or KVM port
- Up to 32 user profiles
- Local console access through a local (analog) port
- Multiple concurrent remote (digital) sessions
- 2 multipurpose serial ports



### KAVEMAN EIGHT-CHANNEL UNIT

- 8 server or KVM ports
- Up to 32 user profiles
- Local console access through a local (analog) port
- Multiple concurrent remote (digital) sessions to any one channel
- Local console user is independent of remote session
- 2 multipurpose serial ports
- Monitors video output of up to 8 servers simultaneously, with multiple configurations



### KAVEMAN SIXTEEN-CHANNEL UNIT

- 16 server or KVM ports
- Up to 32 user profiles
- Local console access through a local (analog) port
- Up to 6 concurrent or independent remote (digital) sessions to any one or multiple channels
- Local console user is independent of remote session
- 3 multipurpose serial ports with support for up to 2 power control devices
- Monitors video output of up to 16 servers simultaneously from multiple remote locations independent of local and remote sessions, with multiple configurations
- Out-of-band dial-up access through external Hayes compatible serial modem



### POWER CONTROL DEVICE

- 8 Outlets
- Independent port power cycle and on/off
- Fully integrated GUI for seamless operation



### KAVEMAN CENTRALIZED ACCESS (KCA)

- Centralized access management for all channels through the KCA Web Interface
- Stores all user access configuration in the Active Directory Tree as well as providing for authentication
- Ability to terminate any session that is being used at any time



### ABOUT DIGITAL V6

Digital V6 aims to be a world-class provider of revolutionary and elegant technical solutions. By understanding the needs of the marketplace and utilizing experience and technical innovation, Digital V6 will be the first mover in introducing new and useful products. Digital V6's values include hiring the right people and allowing them to create an environment that stimulates creative solutions on the cutting edge of technology.