DIGITAL V6
The Engine of Innovation

Kaveman

Complete Remote KVM Control Via TCP/IP

Digital V6 has developed a family of products specifically for remote network management. With Kaveman, you can have full control of your servers and serial devices conveniently over the Internet or a LAN. Paired with Kaveman's Power Control Device that provides over IP power cycling ability, you can perform all administrative functions, such as monitoring video, configuring servers, and controlling power for all your IT equipment remotely anytime, anywhere.

Since Kaveman is not a software-based solution, it does not consume valuable server resources and minimizes potential points of failure. This non-intrusive approach allows Kaveman to provide full keyboard, video, and mouse access for control right down to the BIOS level.

With no software to install and no user licenses, Kaveman seamlessly supports multiple platforms and operating systems. Secure remote access is provided through any modern Sun java-enabled Web browser or VNC by entering Kaveman's IP address, making Kaveman easy to deploy and cost effective to maintain.

Kaveman also features patent pending automated monitoring and notification functions that lets you know immediately of any problematic symptoms in your network environment - before they become critical.

With the Kaveman Centralized Access (KCA) application, users installing multiple Kaveman units can simply utilize a single entry point, the KCA Web interface that is authenticated through the Microsoft Active Directory® , to centralize user authentication and permission control of every channel attached to all Kaveman units on the network.

- Complete KVM control via a Web browser
- Secure BIOS level access
- Multiple simultaneous / independent access
- Over IP remote power cycling
- Non-intrusive (no software installation or additional hardware resources required)
- Compatible with most platforms, OS and KVM switches

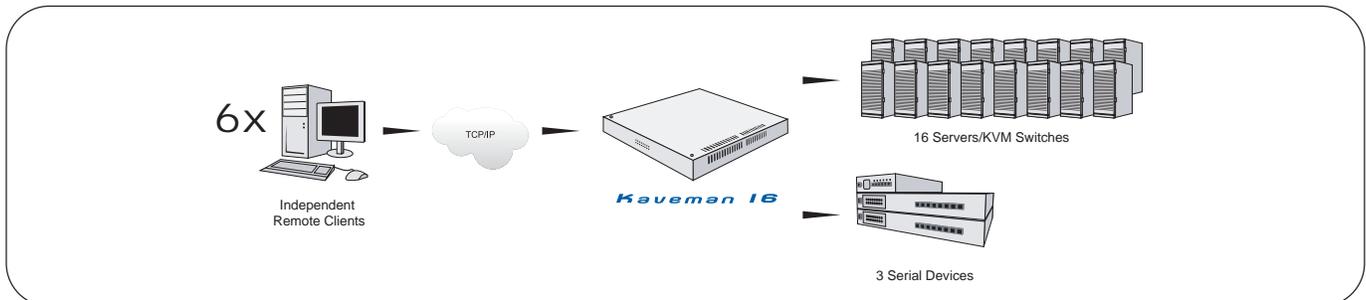**Kaveman is ideal for Network Administrators, Data Centers, Web Hosting Facilities, and Server Farms.**

16 KVM Ports: Kaveman 16   **8 KVM Ports: Kaveman 8**   **1 KVM Port: Kaveman**

6x

Independent Remote Clients

TCP/IP

Kaveman 16

16 Servers/KVM Switches

3 Serial Devices

KAVEMAN VS TRADITIONAL METHODS OF REMOTE SERVER MANAGEMENT

Kaveman is the best solution for remote server access needs as it overcomes the inherent limitations of the current methods of remote server management. It is reliable, scaleable, and easy to install.

Kaveman vs Software Solutions

Software solutions can be used for providing basic technical support. However, they are not ideal for managing mission critical systems because they do not provide BIOS level access, require the systems to be fully functional and often use up valuable system resources. Since the software runs on the same servers, should the servers suddenly fail, users will no longer have access. With Kaveman, users never have to install any software or hardware on their servers.

Kaveman vs PCI Cards

Currently, it is possible to install PCI cards into servers for basic remote management functions. But using a PCI solution would require the user to purchase one card for each server that is being controlled. Kaveman's multiple channel solutions allow users to access many servers through one device. More importantly, Kaveman is a non-intrusive external hardware device, and therefore does not significantly impact the server in any way.

Kaveman vs Hardware Solutions

Other hardware solutions may be used for remote server management, but even if they are external to the target servers, they are often PC-based systems, and therefore inherit the same reliability issues as PCs. Because Kaveman is a dedicated hardware device with no moving parts, it doesn't have the same problem.

HOW DOES KAVEMAN TECHNOLOGY WORK?

Kaveman enables administrators to remotely control their servers over the Internet or from any networked location. Kaveman connects directly to the servers via its PS/2 and VGA ports. For local console access and support, Kaveman has a dedicated port for local keyboard, monitor, and mouse connections. Kaveman attaches to the network through its RJ45 connector and is ready for operations once an IP address has been assigned.

Kaveman digitizes and compresses keyboard, video, and mouse signals and sends the digital data packets over the TCP/IP network to a remote computer.

From a remote computer, a standard Web browser or VNC is used to authenticate and securely connect the user(s) to the servers, seamlessly and in real-time.

Remote Client → TCP/IP → *Kaveman 16* → Local Console
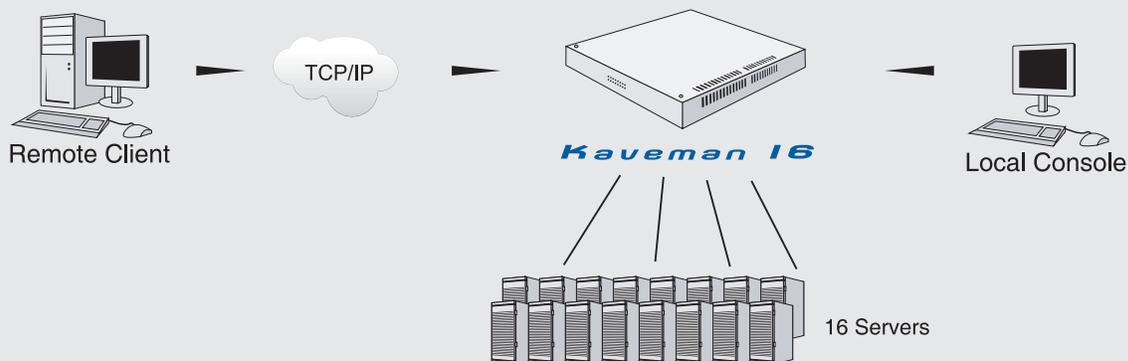
16 Servers

KAVEMAN BENEFITS

Kaveman Provides KVM Access Via A Web Browser

Using Kaveman, users will be able to obtain keyboard, video, mouse, and power control of servers from any PC running a java-enabled Web browser or VNC (a free viewer). Accordingly, it is ideal for any kind of mission critical IT administration, whether from within the same building or across the globe.

Kaveman Provides Full BIOS Level Control

Users will have full remote console control of any connected device right down to the BIOS level. With Kaveman, users can perform low-level disaster recovery functions and control power of their servers.

Kaveman Requires No Software Installation

Kaveman can be accessed using existing Internet browsing software or VNC. Kaveman also seamlessly supports multiple platforms and operating systems and eliminates the need for software licensing.

Kaveman Makes Large Installations Quick & Simple

With the Kaveman Centralized Access (KCA) application that uses the Microsoft Active Directory® , administrators implementing multiple Kaveman units can centralize user authentication and permission control for every channel attached to each Kaveman unit linked on a network. Through a single point of entry (KCA Web interface), the entire set of channels attached to all the Kaveman units can be simply viewed as being attached to a single virtual Kaveman with up to hundreds of channels.

Kaveman Enables Remote Power Cycling

With the Kaveman Power Control Device, you can remotely power cycle, turn on/off any connected device using Kaveman's intuitive GUI.

Kaveman is Non-Intrusive

As an external stand-alone device that does not require additional hardware resources, Kaveman is a non-intrusive solution that minimizes the potential impact on your servers and serial devices.

Kaveman Provides Multiple Simultaneous / Independent Access

Kaveman 16 allows up to 6 simultaneous and independent users to access and manage all attached servers.

Kaveman Has Automatic Monitoring & Notification

Kaveman monitors server activities and notifies you when any of the managed servers becomes problematic.
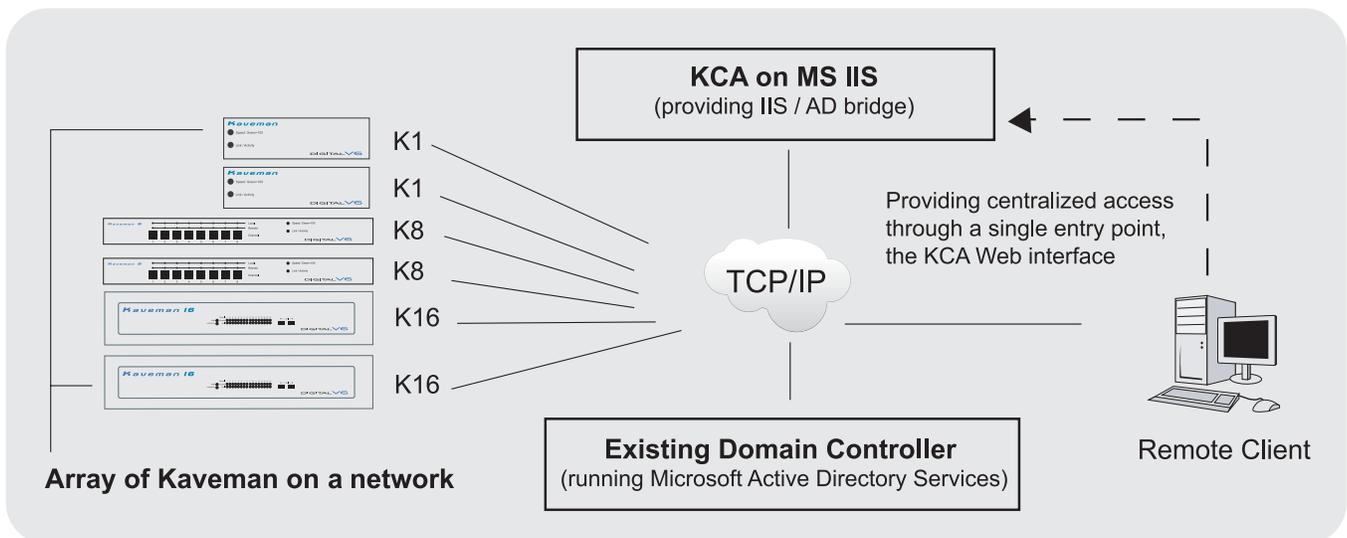
Kaveman is Highly Compatible

Kaveman has been designed to work with most KVM switches, platforms and operating systems.

Kaveman is More Secure

Kaveman has built-in authentication and uses 128-bit SSL encryption for all keyboard and mouse signals. Kaveman 16 further incorporates video encryption for greater security protection. In addition, every Kaveman offers specialized security features including the Stealth mode and Turtle mode, and is fully compatible with existing security technologies such as SSH and VPN.

HOW KCA FUNCTIONS ?

KCA on MS IIS
(providing IIS / AD bridge)

K1
K1
K8
K8
K16
K16

TCP/IP

Providing centralized access through a single entry point, the KCA Web interface

Remote Client

Array of Kaveman on a network

Existing Domain Controller
(running Microsoft Active Directory Services)

Minimize network downtime and achieve cost reductions by adding Kaveman to your server management infrastructure. Kaveman is specifically designed to provide instant access to IT equipment, increasing uptime and productivity while reducing expensive labour costs. Kaveman helps your company to save money by reducing:

- Downtime
- Problem resolution time
- Deployment costs
- Configuration costs
- Remote upgrade costs
- Facility management costs
- KVM replacement costs

The average ROI for a Kaveman ranges from 250% to 2000% depending on the size of the server installation and the model purchased.

KAVEMAN FEATURES

Remote Administration

- Allows complete remote control and administration of servers over a TCP/IP network (via a Web browser or VNC).
- Emulates standard hardware interfaces: PS/2 Keyboard, PS/2 Mouse, and VGA Video.

Automatic Monitoring & Notification

- Monitors attached servers for power status, sudden text mode (blue screen) and other signs of distress. Can be programmed to either reset the server automatically and/or notify you via email of any potential trouble.

Superior Security

- Security is guarded by multiple users/passwords, SSL encryption, secure Web control interface, and public key certificate support.
- Specialized security features include: Stealth Mode (does not respond to port scans or pings) and Turtle Mode (shuts down every remote access completely when attacked).
- Fully compatible with SSH and VPN environments.

Remote Power Cycling

- Kaveman has the ability to power cycle and turn on/off any connected device when used in conjunction with the Kaveman Power Control Device.

Kaveman Centralized Access (KCA)

- Using Microsoft Active Directory Services ® for user authentication and permission control, the KCA acts as a centralized entry point through the KCA Web interface to gain access to any channel attached to any Kaveman unit on a network.

Cross-Platform and OS Compatible

- Kaveman is operating system neutral and requires no software to be installed. It works equally well with Windows 9x / ME / NT / 2000 / XP / 2003 Server, MS-DOS, CPM, Linux, FreeBSD, Unix, Sun Solaris, RS6000 AIX 5.1, OS/2 Warp and more.

SNMP Compliant

- Kaveman supports industry standard SNMP, enabling administration of enterprise-level installations.

ABOUT DIGITAL V6

Digital V6 is a world-class provider of revolutionary and elegant connectivity solutions. With decades of engineering development experience and thorough market research, look to Digital V6 for new, innovative and robust products. Digital V6 stands behind its employees and works with its strategic partners to deliver leading edge technology for today's IT infrastructure.