



Local, remote and worldwide accessibility to
central IT infrastructure management.

Remote support

Closed-circuits

Flexible workstations

Datacenter &
serverrooms

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HDBaseT2.0 KVM extender

CE620

- wake PC remotely
- up to 1920x1200 (100m)
- up to 1920x1080 (150m)
- DVI-D, audio, USB2.0 and RS232 over a single Cat-cable



CHDBT™

Central hardware control

VK2100

- easy 3-step setup
- customizable app
- expansion boxes available
- compatible with 10,000+ hardware devices
- control via infrared, serial, I/O, relay and ethernet commands



KVM over IP switch

KN2124VA / CC2000

- FIPS 140-2 level 1
- 24 KVM ports, 3 bus
- dual network, dual power
- operation broadcast mode
- 1920 x 1080, panel array view
- virtual media and CAC support
- CC2000 all-inclusive management software



Virtual matrix KVM over IP system

KE6900 / KE6940

- push video
- videowall function
- dual view (KE6940)
- touch screen support
- DVI-I, audio, virtual media
- up to 1920 x 1200 @60Hz
- CCKM Matrix Manager software



KVM over IP control unit

CN8600 / CC2000

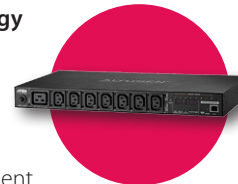
- up to 1920 x 1200
- DVI-D, USB, audio
- laptop USB console
- advanced user settings
- dual network, dual power
- serial console management
- CC2000 all-inclusive management software



PDU for intelligent energy management

PE8208G / EcoSensors

- control by outlet
- overload protection
- equipped with environment sensors
- 8 Outlets (7x C13: 10A, 1x C19: 16A)
- free Eco Sensors management software included



KVM switch

CS1922/24

- DP++ support
- plug-and-play
- USB3.1 peripherals
- 2/4 DisplayPort 1.2 ports
- up to 4096 x 2160 / 60Hz
- independent KVM, USB and audio switching



Serial console server

SN0132 / CC2000

- 32 serial ports
- data buffering
- advanced user settings
- dual network, dual power
- 16 simultaneous logins per port
- CC2000 all-inclusive management software



LCD console

CL6700MW / CL6708MW

- single rail
- USB peripherals
- 1920 x 1080, 17.3in
- second console port
- built-in KVM switch, 8 DVI-I ports (CL6708MW)





Ensured security

- operate on hardware level
- network, power and control redundancy
- military-graded security levels
- encrypted communication
- adjustable authority level and one-time password

Flexibility

- remote rebooting
- system scalability
- advanced user settings
- one or multiple simultaneous users
- full HD in every datacenter

Remote management

- out-of-band access
- saving travel cost and time
- limiting physical access to the serverroom
- BIOS-level access for trouble-shooting

Convenient design for large installations

- intuitive user interfaces
- high density KVM switches
- local and remote workstations
- commonly used cat- and KVM-cables
- computer access in extreme environments

Datacenter

Being it contracted or self-hosted, servers never stand alone in processing large amounts of data. To speed up maintenance and trouble-shooting, a KVM switch guarantees access and control to over 60 servers at once.

A KVM switch visualises all connected computers in a single view and it can broadcast operations simultaneously to all or selected devices. ATEN KVM over IP switches allow up to 9 simultaneous users to work on the servers, more users are offered viewing status.

Depending on purpose as well as security levels, closed-circuit, out-of-band or over IP connections are installed to centralize the management of multiple servers. ATEN's KVM over IP switches are tested against military security standard, reaching FIPS-140-2 lvl 1.

ATEN's intelligent power units can push critical alerts for individual servers in case of incidents.

- out-of-band access
- simultaneous users
- large infrastructure management

Supermarket

The IT installation of a supermarket chainstore is remotely managed by a central IT department. For each store, this department handles daily maintenance, alert monitoring, diagnosis, problem-solving, and placement of digital signage content.

ATEN's CC2000 software centralizes the management of several of the in-store IP devices. With a single login, an IT manager can access all connected IP addresses. One of the addresses links to A KVM over IP switch, which visualises several servers in a single view for efficient alert monitoring.

The servers support the point-of-sales operations. In each supermarket, they are neatly connected to cashdesk-consoles by KVM extenders. Depending on each cashdesk's needs, the KVM extenders support serial, USB and IR connections.

The entire setup avoids local employees to work on IT, while the IT managers save time and travelling-costs.

- remote problem-solving
- centralized IT management
- distributed IT infrastructure

Production line

The production process of semiconductors is monitored by an operator at the end of the production line. Multiple small serial cameras film the production process precisely. They stream videos to a computer stored from dust in a server room.

The operator's workstation receives the standard keyboard-, video-, mouse-interfaces as well as audio, USB and RS232 via a KVM extender. When necessary, the operator pauses the production or restarts the computer with a single button on a touchscreen.

- instant monitoring
- remote system restart
- extreme environments

Post-production serverroom

Mediahouses process raw and uncompressed video and visual effects on a daily basis. Thanks to a KVM switch, designers can work simultaneously on several Linux and Windows OS servers.

The serverroom contains 2 intelligent power units to measure power consumption to optimize usage and safe energy costs. In case of power issues, an automatic message warns the team to start the back-up system and avoid losing data and workhours. Linked to a separate power supplier, each PDU guarantees power back-up.

The free ATEN ecoSensors software for ATEN PDUs is a handy tool to switch power. With a single click, it can switch an entire group of devices or an individual unit.

- energy redundancy
- warning notification
- cost-saving measures
- intelligent power distribution

Public transport

A powerfull transport management system calculates public travelling schemes based on several variables, such as passenger location, safety measures, railroad and carriage occupancy.

The system is hosted by a powerful mainframe. To be operation-effective, the datacenter and its back-up are installed in two central and secured locations. Each mainframe is accessible by an ATEN KVM over IP unit, connected to two network and power suppliers. This guarantees 24/7 system up-time.

Operators, stationed in local trainstations and regional control rooms, access the system over IP to update real-time data. National transport schedules and operations stay tuned at all times.

- remote access
- central management
- ensured system up-time

Power plant

Extreme security measures demand separate networks to handle the daily operations in a power plant. One closed-circuit, cat-enabled network is connected to a KVM matrix switch, which allows operators to control and monitor all server activities from their workstations.

The main energy operation system, served by its own closed network, requires regular software updates and data import. Thanks to the broadcasting function of a KVM switch, all operations are only done once, while being applied to all or elected servers simultaneously. From a virtual media storage device, the data can be copied to each server.

- closed-circuit networks
- operation broadcasting
- virtual media
- server activity monitoring

Supermarket

Server maintenance and file transfers happen remotely through the KVM over IP switch (KN2124VA). New software can be installed to all servers simultaneously by broadcasting keyboard and mouse actions.

Intelligent PDUs (PE8108G) control and analyse the power usage of the installation. Connected devices can be switched off individually or in group.

The computers supporting several POS-stations are safely hidden in the serverroom. They are extended by over IP KVM extender without distance limitation (KE6900) and HDBaseT extenders covering 100m (CE620). The digital signage sources are extended with HDBaseT AV extenders to several screens in the store (VE802). A fixed LCD console (CL6700MW) visualises all server activity in the serverroom.

Several devices are managed from a central software package (CC2000), which safely stores all IP-addresses and logins. With one login, the IT department controls all connected devices.

Through a serial connection (SN0108A), several sensitive networks are accessed over IP, reducing security risks.

