The Department of National Defense Installs ATEN's Matrix KVM Switch for Flexible Data Center Expansion and Secure Management

Overview: Department of National Defense

A government plans to upgrade and expand their data center infrastructure for the national defense department. The new KVM solution must integrate with the existing setup; and is being installed in a control room separate from the data center, in order to reduce physical access to the data center.

ATEN Solution

KM0932 x 4

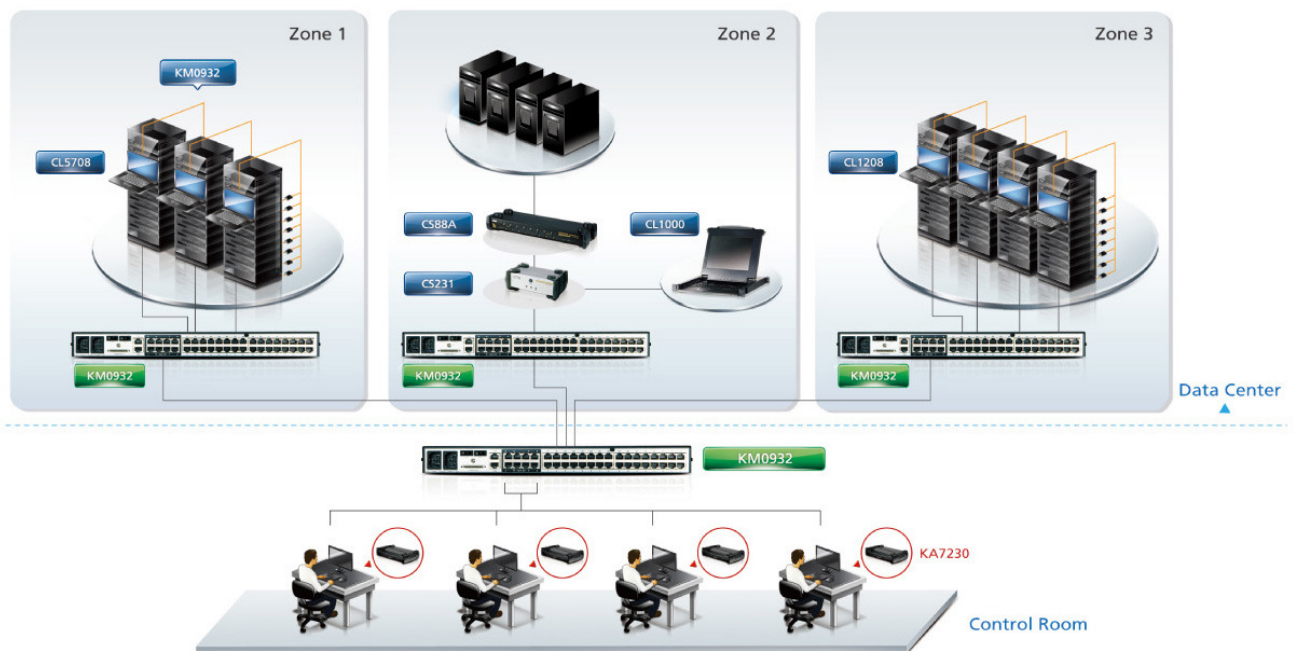9-Console 32-Port Matrix KVM Switch

- Additional switches can be daisy chained, cascaded, or both in tandem; allows up to 9 consoles to control thousands of servers.

- Cat 5e/6 cable connection extends the distance between console and servers up to 300m

Benefits

- Flexible expansion - 4 KM0932 units added in a cascaded combination to provide efficient and secure access to the existing KVM installation and all servers in the data center.

- High compatibility - the KM0932 permits any combination of PCs, Mac, Sun computers, and series devices to coexist on the installation.

- Long distance transmission - Cat 5e/6 cable connections extend the server management distance; administrators can access data center servers from a distance in the control room.
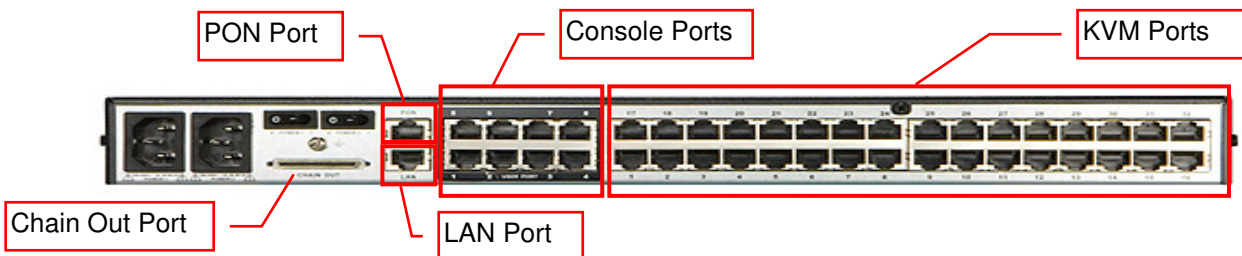
Solution Setup

Features

KM0932　9-Console 32-Port Matrix KVM Switch

Front View

Rear View

PON Port　　Console Ports　　KVM Ports

Chain Out Port　　LAN Port

- Redundant power supply for 24 x 7 reliability

- Composite tree view – all connected devices are integrated in a single device tree for convenient management access and control

- Multiplatform support: PC, Mac, Sun, and Serial Console access

- Supports up to 1024 user and 255 group accounts

- Superior video quality – 1280 x 1024 @ 60 Hz for up to 300 m

- Broadcast support enables executing the same command on multiple servers, at the same time

- Flexible expansion - the installation can grow as your needs grow:
  - Up to 7 Matrix Expansion KVM switches can be daisy chained from a master switch
  - Switches can be cascaded to three levels
  - Supports cascading other switches
  - Dual root configuration allows up to 18 consoles to access any servers on the installation

- Adapter ID –no need to reconfigure the adapter when moving a server to a new port

- Port level access control- users can only access the ports they have been authorized for

- Stringent password policy features that include password expiration; required password changes, account disabling, and account expiration Intelligent

- Path Assignment- a master station can allocate the best available path for the user under multi-path cascading and daisy-chaining

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