Enjoy High Quality Video Locally with Remote Access for Greater Efficiency

Scenario: ODM Manufacturer

Company W is a leading ODM manufacturer that designs and releases multiple product lines – PCs, NBs and Servers for several well-known brands. With the increasing number of servers housed in its server room, along with the operators needed to work on them, *Company W* is planning to build a new data center and adopt an efficient solution that allows multiple operators to manage up to 480 servers concurrently. With three 32" LCD monitors in the Operation Center of the new data center that will be used for critical monitoring and control, the solution must provide secure access and high quality data throughput between the consoles and the servers over extended distances. In addition to achieve efficient allocation of human resources, IT administrators working from different locations need to control or monitor the servers located in the data center, all at the same time.

☒ ATEN Solution

According to W Company's needs, ATEN integrated a solution that maximizes efficiency and flexibility while minimizing costs, as follows:

KN4116 x 48

16-Port KVM Over the NET™

KN4116 supports up to 5 buses, allowing 1 local and 4 remote user access. Remote operators are able to monitor and access the entire enterprise data center over the Internet using a web-based browser. With advanced features – Message Board, Panel Array Mode, Mouse DynaSync™, and Adapter ID, the KN4116 allows you to upgrade your IT management efficiency.

KM0532/KM0032 x 1

5-Console 32-Port Matrix KVM Switch
32-Port Matrix Expansion KVM Switch

ATEN KM0532 Matrix KVM Switches are designed for modern data centers that require reliable, high security access and control of multiple servers. With automatic skew compensation and Auto Signal Compensation (ASC) features, KM0532 provides greatly enhanced video quality via Cat 5e/6 cabling – 1280x1024 @60Hz for up to 300 meters.
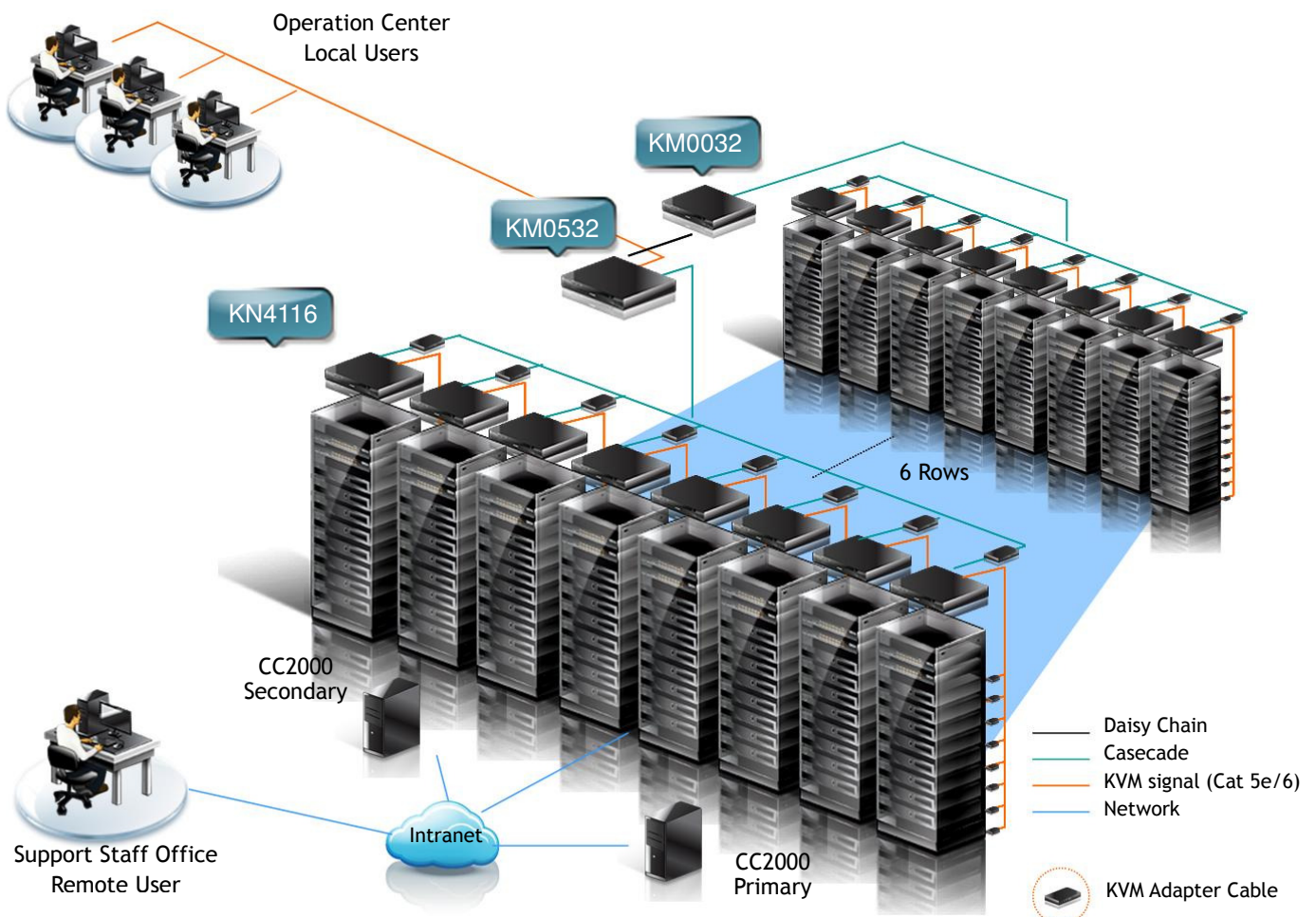
CC2000

Control Center Over the NET™

ATEN's CC2000 Management Software provides IT administrators with the tools they need to access and control their entire distributed data center environment.

Setup

Operation Center
Local Users

KM0032

KM0532

KN4116

6 Rows

CC2000
Secondary

Support Staff Office
Remote User

Intranet

CC2000
Primary

--- Daisy Chain
--- Casecade
--- KVM signal (Cat 5e/6)
--- Network

KVM Adapter Cable

Benefits

Save cost, time, space and energy

Allows fewer administrators to manage hundreds of servers from multiple locations and eliminates the inconvenience and wasted effort involved in constantly moving from one computer to another; eliminates the expense of purchasing a separate keyboard, mouse and monitor for each computer; saves space for extra components; saves on energy costs.

Extend distance without sacrificing quality

Extends the distance between the servers and the consoles, which are located in the control room, up to 300 meters. High quality data throughput reduces signal transmission delay for essential real-time operation, and maintains high video quality. Secure access ensures data integrity.

Boost efficiency

Boosts efficiency with real-time Management, enabling you to handle any mission-critical server emergency from any locations; and centralized control, which provides secure and solid management through a single interface.

Customized solution that meets local/remote access requirements

Digital KVM switches can be cascaded from Analog KVM switches for an integrated solution that allows operators access to high quality video output from all servers via a single GUI in the local station, while at the same time providing remote users in different locations control over the servers.

Flexible Scalability

Flexible expansion configuration allows you to add consoles and servers one at a time to match your data center's growth. It also provides exactly the right level of hardware deployment to match your budget and expansion requirements.

Integrated Control of different systems

Supports multiplatform servers via optional KVM adapter cables – allowing any combination of PC, Mac and Sun computer platforms and serial devices to coexist on the installation.