

Centralize Content Consolidation and Easy Access to all Servers

Overview: Broadcast Station



After reaching out to a variety of manufacturers, a popular Los Angeles, California based broadcast station turned to ATEN for a working solution to consolidate all of their computers from particular studios into a centralized control room and access them remotely.

This particular broadcast station has five studios, typically two users per studio (broadcaster & operator), and anywhere from three to five computers housing content leveraged by the broadcasters. That means the station owns a lot of scattered computers with valuable content on them that not all of their studios can access and not all of their broadcasters can utilize. They were also faced with the loud noise and heat produced by those computers during live broadcasts.

Due to those problems they decided to work with a manufacturer "A", an over IP solution provider to consolidate all of their computers into a centralized control room and access them remotely. In theory this type of arrangement makes a lot of sense because they would be able to eliminate the noise/heat and also have the ability to access all of the content the station had to offer during each broadcast session. The reality of this new solution caused a new problem they ran into, which was latency due to the bandwidth of this technology. The latency caused enough delay of retrieving the content over IP that made it difficult for the broadcasters to do their live broadcasts.

For this unique application ATEN offered an integrated direct over Cat 5e/6 solution with (2) KM0932, (10) KA7230, and (20+) KA71XX, to keep the consolidated control room intact. With the ATEN solution deployed, they were able to keep all of their 20+ computers remotely in the control room and still have quick access not to only the computers they used on a daily basis but all of the 20+ computers with content the station offered without the challenge of latency.

ATEN Solution

KM0932
32-Port 9 User Cat 5e/6 Matrix KVM



KA7230
Console Module



KA71xx
CPU Module

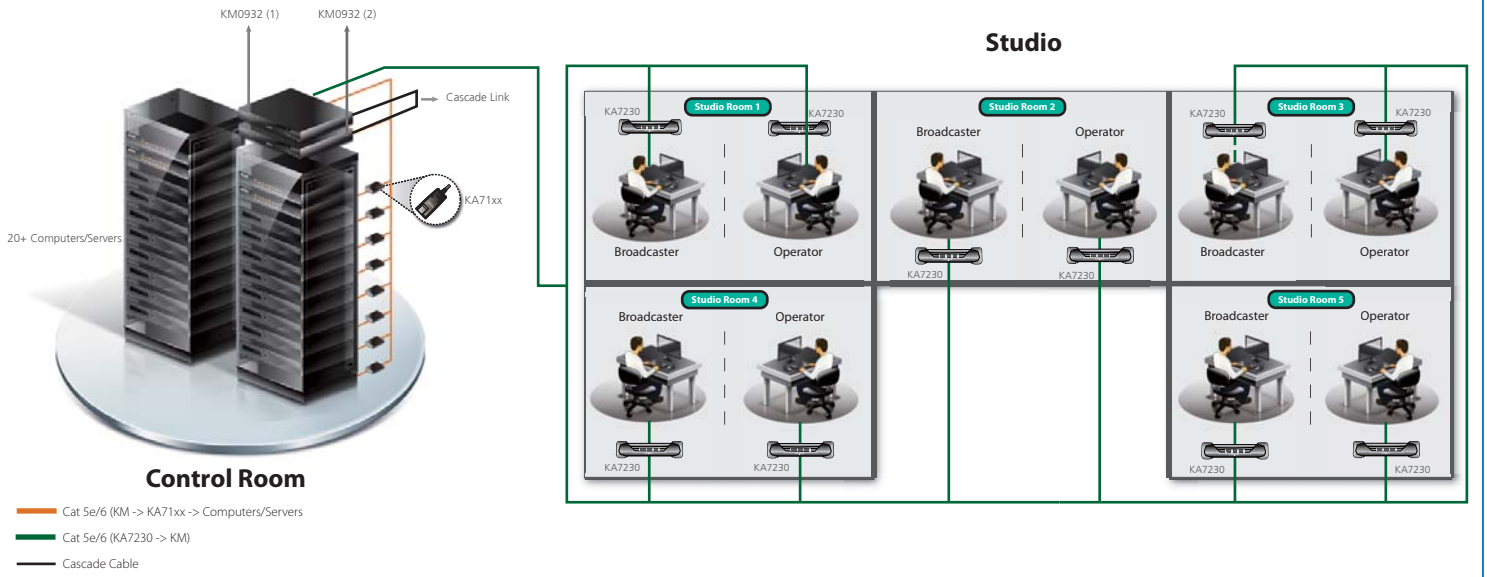


- 9 consoles independently and simultaneously control up to 32 directly connected servers/computers
- Audio support for multimedia-capable devices
- Composite tree view – all connected devices are integrated in a single device tree for convenient management access and control
- Multicast Audio gives multiple console access to the same KVM port – allowing both to listen to the audio being broadcast by that port
- Flexible expansion - the installation can grow as your needs

Benefits

- Ease of use; studio rooms can access to all contents from all computers from the consolidated control room
- Quicker response time in interview rooms
- Direct connection, no latency or lagging
- Consolidated to one room. Computers are away from broadcast studio which eliminate noise and heat in the studio rooms
- Flexible expansion - 2 KM0932 unites added in a cascaded combination to provide efficient and secure access all broadcast contents from the computers in the control room

Solution Setup



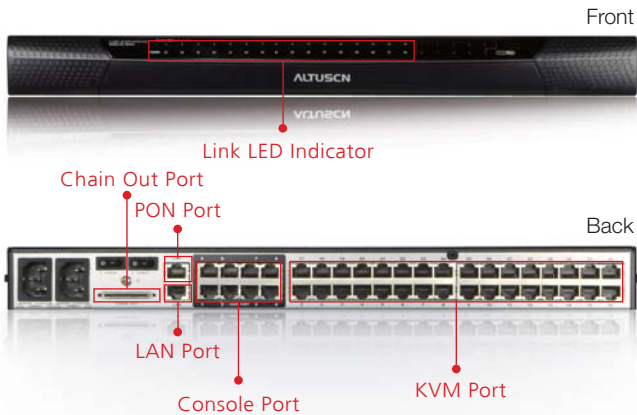
Features

KM0932: 32-Port 9-Console Matrix KVM Switch



- 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
- Multi platform support: PC, Mac, Sun, and Serial Console access
- Port level access control- users can only access the ports they have been authorized for
- Audio support for multimedia-capable devices

KM0932



KA71xx



KA7230

