

Reliable Connections at Sea

Managing Servers on the Oceans



Scenario: Off Shore Infrastructure

J Company provides international construction and maintenance services to maritime infrastructure. It is one of the world's largest dredging and development companies with a fleet of more than 80 ships. Setup on board each ship is a variety of computer and network systems running different operations depending on the ships function. Critical to the completion of its mission- ships have a complex interchange of software on many servers. On board computers are setup to

coordinate these functions so that the ship fulfills its duty effectively.

Sometimes this means *J Company* needs to expand the number of servers on a ship to comply with new job requirements. Due to extreme working conditions – strong winds, salty air, waves, and vibrations, the IT equipment is always protected in a special room and must be robust. However, with staff usually working from the bridge; *J Company* is looking for a solution that enables multiple users secure and real-time remote control of servers from the bridge, to eliminate time and distance restrictions.

ATEN Solution

According to *J Company's* needs, ATEN proposed the outstanding Matrix KVM Switch Solution as follows:

KM0932

9-Console 32-Port Matrix KVM Switch



ATEN KM0932 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, KM0932 provides greatly enhanced video quality via Cat 5e/6 cabling – 1280x1024 @60Hz for up to 300 meters.

KA7230 / KA7240

PS/2-USB Console Module



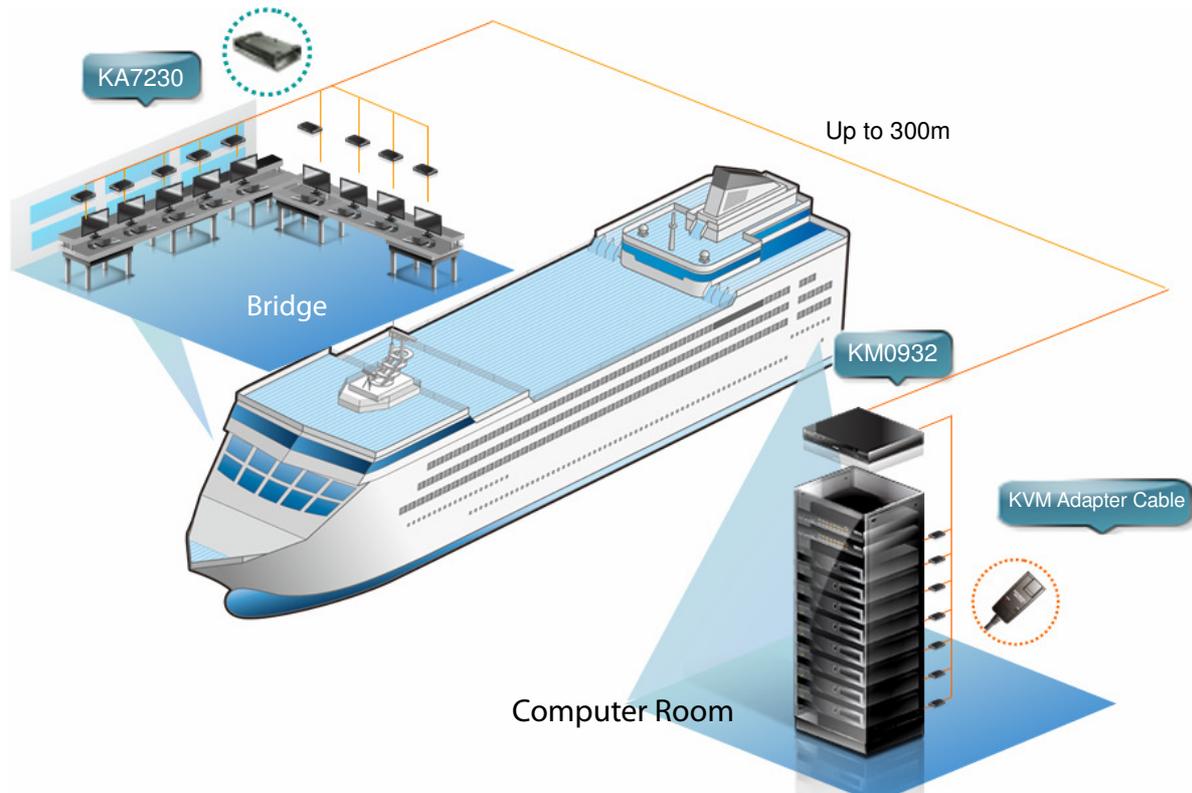
KA Series

KVM Adapter Cables



ATEN Matrix KVM Switch's modular design – using console modules to link the console device to the switch, and KVM Adapter Cables to link the switch to the servers – allows for a high degree of platform and interface integration.

Setup



Benefits

Reliable and Robust

With high-quality metal housing and rigorous testing, ATEN KVM Switches have a market reputation of reliable and robust products, which function well in extreme working conditions.

Distance Extension

Allows the distance between consoles and servers to be extended up to 300 meters – permitting staff to control and access servers from a longer distance- at the bridge. In addition, a technician can maintain computers in the computer room without disturbing crew at the bridge.

Secure Access

Offers a network-independent configuration for secure access. The Switch can be operated completely independent of the ship's network – protecting the servers and allowing access with problems that may arise on the network infrastructure.

Boost Management Efficiency

Enable 9 consoles to access up to 32 target servers. Versatile port operation modes enable secure support via- Exclusive, Occupy and Share access. This solution enables users to collaborate with each other for the most efficient management solutions possible.

Reduce Cabling Cost

Simplify cable requirements and reduce the total installation cost by using Cat 5e/6 cables to connect console modules and KVM Adapter Cables.

High-quality, Real-time Video Sessions

Video signals are transmitted via Cat 5e/6 cable to permit real-time throughput and true video quality. Auto Signal Compensation (ASC) and automatic skew compensation functions assure optimum video output over long distance transmissions. It benefits staff that spends long hours working on servers while performing critical operations.

Flexible Scalability

With Daisy Chain, Cascade and Dual Root configuration support, the solution allows you to expand the number of servers on the installation quickly and easily as your network grows, with each additional connection increasing your investment as you go.

Integrated Control of Different System

Modular design allows for a high degree of platform and interface integration. You can have PS/2 and USB interfaces; PC, Mac, Sun, and Serial platforms; all working together smoothly and efficiently on the same installation, easily supporting a variety of systems and servers needed on any ship.