

KE6900ST

USB DVI-D Single Display Slim KVM Over IP Transmitter



ATEN is well known for delivering innovative technologies that drive data connectivity and access management. To offer extreme flexibility into any working environment, we announced the new KVM over IP Matrix System that combines KE Series Extenders with the KE Management Software ([CCKM](#)). This system is designed to deliver the ultimate in flexibility when extending, controlling and monitoring access to multiple computers, in a multitude of ways, across a network.

KE Series Extenders give extended access to a computer from a remote USB console (USB keyboard, USB mouse, DVI monitor) anywhere over a network. As an IP-based matrix Extender, it can connect in many different ways, to fulfill different working environments, such as one-to-one (Extender mode), one-to-many (Splitter mode), many-to-one (Switch mode), or many-to-many (Matrix mode). The KE6900 Single display Extender supports one DVI display at each end. The KE6940 Dual display Extender supports two DVI displays at each end, allowing the video to display on two monitors. The KE6900ST Slim DVI KVM over IP Extender is a compact and affordable transmitter which can be paired with any KE69x0R unit for a savings based solution that stays within budget.

The KE Management Software ([CCKM](#)) provides KE Extenders with advanced features for username/password authentication, auto detection of all KE Series Extenders on the same subnet and the ability to define different types of connections that can be switched and shared. New security features also provide extra protection, supporting AES-128 bits encryption for secured data transmissions, while RADIUS, LDAP, AD or remote user authentication provides an added layer of enhanced security.

Whether you're monitoring, operating, controlling or extending computer access, the KVM over IP Matrix System is made adaptable, to fit an endless variety of working environments and workstation settings, to provide solutions in broadcasting, control center, multimedia, manufacturing and many other industries where matrix extending is required.



Features

• Hardware

- Advance processor provides lossless and low latency video transmissions up to 1920 x 1200 @ 60Hz
- Virtual Media Support
- Auto-MDIX - automatically detects cable type
- Built-in 8KV/15KV ESD protection and 2KV surge protection
- Fanless design for silent operations that are energy efficient
- Mounting options:
 - VE-RMK 1U Extender Rack Mount Kit*

Note:

* Refer to www.aten.com for more regarding the VE-RMK 1U Extender Rack Mount Kit.

• Management

- EDID Expert™ - selects optimum EDID settings for smooth power-up and highest quality display
- Selectable Access Mode for multiple simultaneous access - Exclusive/Occupy/Share mode
- Advanced User Authority Settings - administrators can set four types of permissions to meet the users' requirements
- Fast Switching - switch between different remote video resolutions on a local display within 0.3 seconds
- Extensive Bit Rate Management - allows you to increase/decrease the video quality to adjust for better network performance
- Command Line Interface - administrators can control all KE devices via RS-232 or TCP/IP using a CLI or 3rd party application
- Supports Hotkey Commands

• Security

- Dedicated LAN port for KE direct connections - can be isolated from the corporate network
- Secure data transmission - AES-128 bit encryption to secure all data before its transmitted over a network and decrypts the data on the receiver
- Supports industry standard Transport Layer Security (TLS) protocol

• Virtual Media

- Virtual media enables file transfers, OS patching, software installations and diagnostic testing
- Supports USB 2.0 DVD/CD drives, USB mass storage devices, PC hard drives and ISO images
- Supports Smart Card/CAC Reader

• Recommended Network Switches

- Below are the network switches that have passed ATEN's stress tests using the KE Series extenders. Our tests streamed content over a network with a resolution of 1920 x 1200 @60Hz (KE69 Series) and 3840 x 2160 @30Hz (KE89 Series), 24bit color depth at 60 frames per second.
 - Cisco Catalyst 2960X / Catalyst 2960XR / Catalyst 3750
 - HP Procurve 2920
 - H3C S5120
 - Huawei S5700
 - DLink DGS-1510

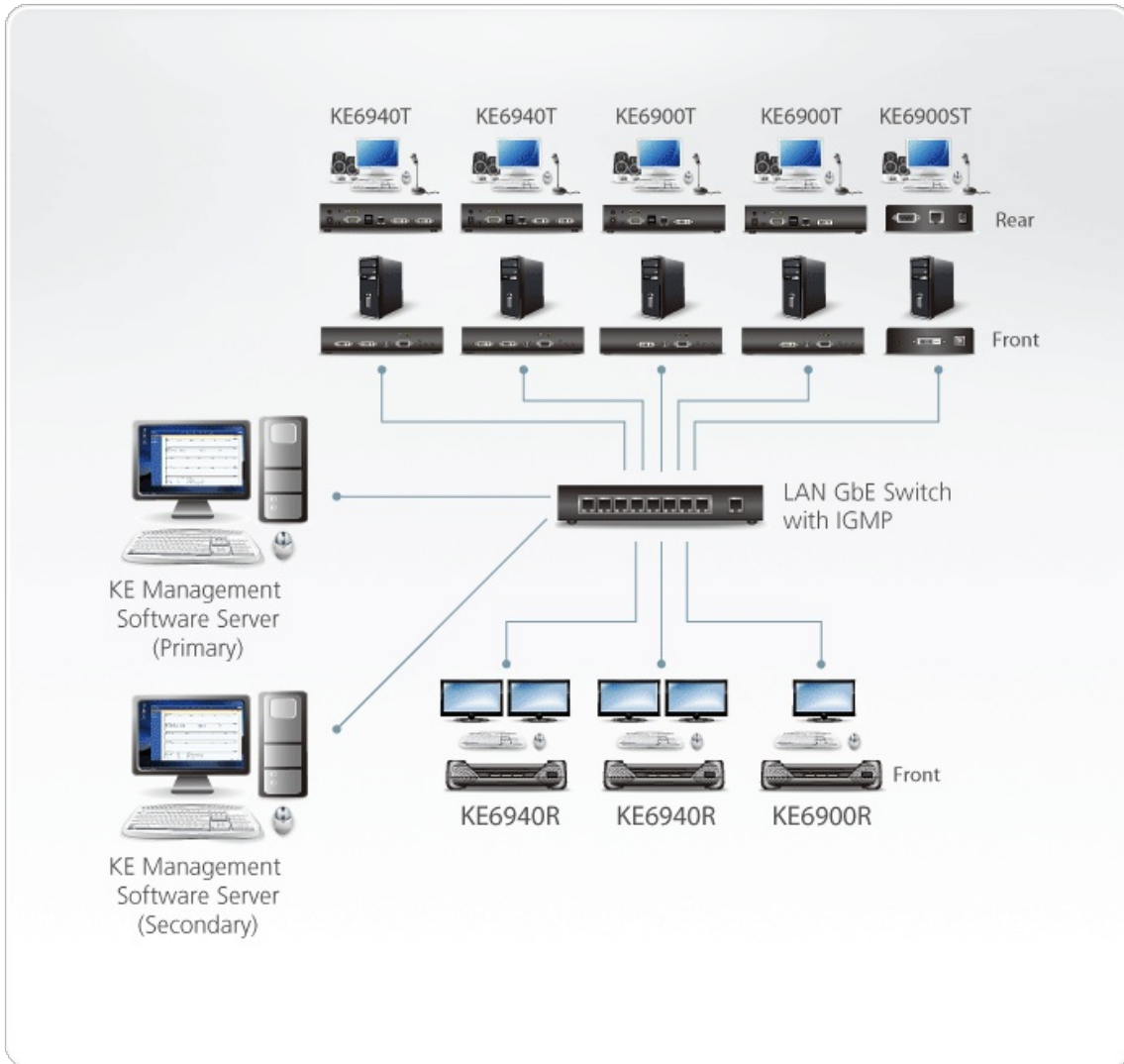
Please refer to the FAQ link below on how to select network switches and network switch information collected by ATEN Customer Service Division, where the collected information includes customer's feedback from their actual experience in using and installing the product(s).

<https://eservice.aten.com/eServiceCx/Common/FAQ/view.do?id=6276>

Specification

Connectors	
KVM Ports	1 x USB Type B Female (White) 1 x DVI-D Female (White) 1 x DB-9 Female (Black)
Power	1 x DC Jack (Black)
LAN Ports	1 x RJ-45 (Black)
Switches	
Reset	1 x Semi-recessed Pushbutton
LEDs	
Link	1 (Green / Orange)
Power	1 (Blue)
Emulation	
Keyboard / Mouse	USB
Power Consumption	DC5V:3.35W:15BTU
Video Resolution	Up to 1920 x 1200 @ 60Hz
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20-60°C
Humidity	0-95% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.43 kg (0.95 lb)
Dimensions (L x W x H)	14.39 x 10.30 x 3.00 cm (5.67 x 4.06 x 1.18 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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