

KE6940AiT

DVI-I Dual Display KVM over IP Transmitter with Internet Access



The KE6940AiT are high performance IP-based transmitters that, when used with receivers (e.g. [KE6940AR](#)), provide console access from a separate location. The setup allows extended access of computer systems remotely via USB consoles (USB keyboard, USB mouse, DVI monitor) over intranet and internet, enabling users to place the computer system in secure and temperature controlled environments, which maybe isolated from users' workstation.

KE6940AiT support the new [Control Center Video Session Recorder \(CCVSR\)](#) software. The [CCVSR](#) records all operations made on servers accessed through KVM over IP switches. Every operation and change – boot-ups at BIOS level to system level, logging in and logging out, running software applications to configuring the operating system – are recorded and saved to a secure video file for security reference and troubleshooting purposes, etc..

The KE6940AiT DVI-I Dual Display KVM over IP Extender supports two DVI display at each end and provide [lossless and low latency](#) video transmissions up to 1920 x 1200 @ 60Hz.

The transmitters support connections via an RJ-45 port or a SFP slot. The transmitter can be connected to a receiver either directly to each other, or via a high-speed network over a copper-based or fiber-based LAN. Connecting via the SFP slot with 1Gbps SFP fiber module expansions on fiber optic network, you can extend transmission distances up to 10km. The KE6940AiT also features dual power supplies for redundancy to ensure dependable services.

As an IP-based matrix extender, the KE6940AiT can be used as a point-to-point / point-to-multipoint / multipoint-to-point extender, or integrated into a [KVM over IP Matrix](#) System (multipoint-to-multipoint) when combined with the [KVM over IP Matrix](#) Manager ([CCKM](#)), providing more flexible applications in different working environments.

Implementing the [CCKM](#) with KE6940AiT, IT administrators can benefit from advanced features such as auto detection of all KE6940AiT devices on the same subnet for the sake of fast installation or configuration, username/password authentication and authorization, and the ability to define different types of connections that can be switched and shared. Security features also provide extra protection, supporting AES-128bits encryption for secured data transmissions, while RADIUS, LDAP, AD or remote user authentication provides an added layer of connection security. Moreover, with RS-232 support, and Auto MDIX, the KE6940AiT is the most cost-effective and convenient way to get a full digital extension from anywhere on the intranet.

Note:

The SFP module ([2A-136G](#) / [2A-137G](#)) is sold separately. Contact your ATEN dealer for product information.

For the latest list of compatible network switches, please visit: [ATEN Support Center](#) for more information.

Features

• Advanced Features*

- [ATEN Matrix Link](#) – allows you instant link transmitters and receivers, and perform real-time port and profile switching on an iPad
- Supports recording of remotely-accessed computer operations using [CCVSR](#)
- Boundless Switching – simply move the mouse cursor across screen boundaries to switch between different receivers (Rx)
- "Push" and "Pull" – shares content instantly to/from a single Rx or video wall by just one click
- Video Walls – create multiple video walls with up to 12 x 12 (144 displays max.) in each layout
- Advanced Scheduling – improves efficiency and saves costs by allowing connections to be set based on time and date
- Virtual Transmitter – independently streams video, audio, USB, and serial sources from different Tx
- Internal and external authentication support – supports LDAP, Active Directory, RADIUS and TACACS+ external authentications
- Configurable user and group permissions for access and control of KVM over IP extenders
- Rx access control – users at the Tx local console can enable / disable Rx access by simply pressing a control button**

*These advanced functions are supported when the KE transmitters are paired with KE receivers and managed by [CCKM](#).

**The KVM over IP Access Control Box ([2XRT-0015G](#)) is sold separately. Contact your ATEN dealer for product information.

• Hardware

- Supports power/network failover – dual DC jacks for power redundancy and 1 RJ45 & 1 SFP fiber ports for network failover to ensure constant availability for mission-critical applications
- Supports 1Gbps SFP fiber module expansions*** up to 10 km
- Advance processor provides [lossless and low latency](#) video transmissions up to 1920 x 1200 @ 60Hz
- Supports digital (DVI) or analog (VGA) video output****
- Audio Enabled – supports stereo speakers and microphone
- High speed USB Storage Transmission 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:
 - [2X-021G](#) Dual Rack Mount Kit
 - [2X-031G](#) Single Rack Mount Kit
- Includes an industrial-grade power adapter– supports operating temperature of 0-50°C to ensure durability and adaptability under harsh environmental conditions

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****To convert a DVI to VGA signal, a DVI-I to VGA converter is required.

• Management

- Integration with ATEN [CCVSR](#) Video Session Recording Software
- Local console– flexible local or over IP console access
- EDID Expert™ – selects optimum [EDID](#) settings for smooth power-up and highest quality display
- Four selectable access modes for multiple simultaneous access (Exclusive/ Occupy/ Share/ View only mode) – administrators can select access modes of permissions on Tx devices to boost collaboration or to avoid interference among users
- On-screen Preview– allows users to view the video of up to 36 displays on one screen
- Fast Switching– switches between different remote video resolutions on a local display within 0.3 seconds
- Command Line Interface – administrators can control all KVM over IP extenders via RS-232 or TCP/IP using a CLI or 3rd party application
- Supports Hotkey Commands
- Flashing LED and beeping feature help locate and identify devices
- KVM over IP extenders can "Push" and "Pull" to share content Security

• 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 transmitted over a network and decrypts the data on the receiver
- Supports industry standard Transport Layer Security (TLS) protocol

• Virtual Media

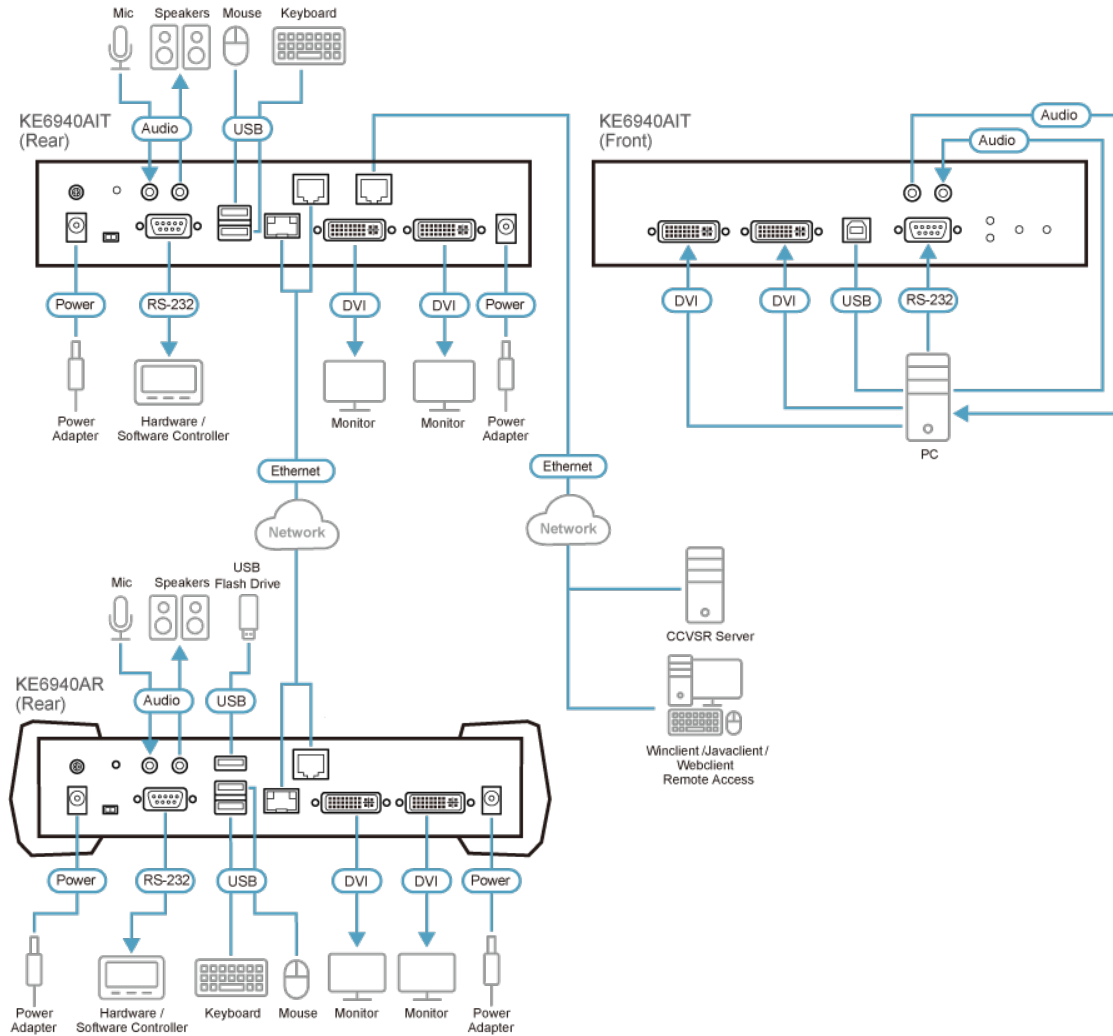
- USB Storage Transmission mode enhances data transmission performance, ideally for file transfers, OS patching, software installations and diagnostic testing
- Supports USB 2.0 DVD/CD drives, USB mass storage devices, PC hard drives and ISO images
- Supports Smart Card/CAC Reader

Specifications

Connectors	
Console Ports	2 x USB Type A Female (White) 2 x DVI-I Female (White) 1 x Mini Stereo Jack (Green) 1 x Mini Stereo Jack (Pink) 1 x DB-9 Male (Black)
KVM Ports	1 x USB Type B Female (White) 2 x DVI-I Female (White) 1 x Mini Stereo Jack (Green) 1 x Mini Stereo Jack (Pink) 1 x DB-9 Female (Black)
Power	2 x DC Jack (Black)
LAN Ports	1 x RJ-45 (Black) 1 x SFP Slot
Internet Ports	1 x RJ-45 (Black)
USB Port	N/A
Switches	
OSD	N/A
Video	N/A
Graphics	N/A
Reset	1 x Semi-recessed Pushbutton
Mode Selection	1 x Slide Switch (Auto, RS-232 Config/Access Control, Local)
LEDs	
10/100/1000 Mbps	1 (10: Orange / 100: Orange & Green / 1000: Green)
Power	1 (Blue)
Local	1 (Green)
Remote	1 (Green)
Emulation	
Keyboard / Mouse	USB
Power Consumption	DC12V:18.36W:90BTU
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	1.18 kg (2.6 lb)
Dimensions (L x W x H)	21.50 x 16.33 x 4.18 cm (8.46 x 6.43 x 1.65 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

► Diagram



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