

CCKM

KE Matrix Management Software



ATEN's Matrix Manager software provides IT administrators with tools to centralize the control and management of KE6900 / KE6940 devices in their IT environment. It allows easy administration of all KE6900 / KE6940 devices with a user-friendly, web-based GUI.

The KE Matrix Management Primary-Secondary architecture safeguards data transmissions through builtin redundancy factors, including automated database backup of primary and secondary servers and devices in addition to real-time database updating. Redundancy ensures that if any server hosting the KE Matrix Management Software goes down, the system will remain functioning, since a redundant secondary server maintains all the required services until the primary server comes back up.*

Through ATEN's KE Matrix Management Software, the KE series devices provide advanced features for username and password authentication, user authorization and auto-detection of all devices – that can be switched and shared. With security transmissions in mind, the KE series devices implement AES encryption, while RADIUS, LDAP and AD ensure secure authentication.

IT administrators receive the following benefits implementing the KE Matrix Management Software:

- Advanced features for multi-displays, video grouping, fast switching, profile broadcasting, and media playback scheduling.
- Greater access with quick and easy control tools for configuration of KE devices.
- Secure and reliable access with AES encryption and server redundancy.

Note: KE series includes KE6900, KE6940, [KE6900ST](#), [KE8950](#), and [KE8952](#).

* To set up server redundancy, installation of the CCKM USB license key on both the primary and secondary servers is required.



Features

• Management

- Centralized KE Matrix Management Software, allowing you to configure, administer, control, and maintain all KE series devices via an intuitive web based GUI
- One-to-one, one-to-many, many-to-one and many-to-many TX/RX connections
- Profiles save and reserve unlimited TX to RX device connections
- Channel connections allow RX devices to connect to multiple TX devices – to stream video, audio, USB and serial sources independently
- Configurable user and group permissions for access and control of KE devices
- Administrators can set access modes on TX devices for collaboration or to avoid interference among users
- Primary-Secondary architecture provides system redundancy
- Administrators easily view KE status and the latest system events in the GUI dashboard

• Flexible and Efficient Operations

- Unlimited Video Walls – create multiple video walls with up to 8 x 8 (64 displays max) in each layout **NEW!**
- Advanced Scheduling – improves efficiency and saves costs by allowing media playback to be set based on time and date **NEW!**
- Video grouping of up to 4 sets of KE series devices to support Multi-Display applications
- Fast switching feature changes transmitter/receiver connections in under a second

• Easy-to-Use Interface

- Browser-based GUI offers a multi-language interface to minimize user training time and increase productivity
- Multi-browser support: Internet Explorer, Chrome, Firefox, Safari, Opera, Mozilla
- Filter and export function for system event logs
- Email notification of specified system event logs
- Multi-platform installation support: Windows, Linux
- Multi-platform client support: Windows, Mac OS X, Linux, Sun

• Advanced Security

- User account authentication and management
- CCKM supports both internal and external authentication – external authentication supports LDAP, Active Directory, RADIUS and TACACS+
- Data transmission is secured by AES encryption

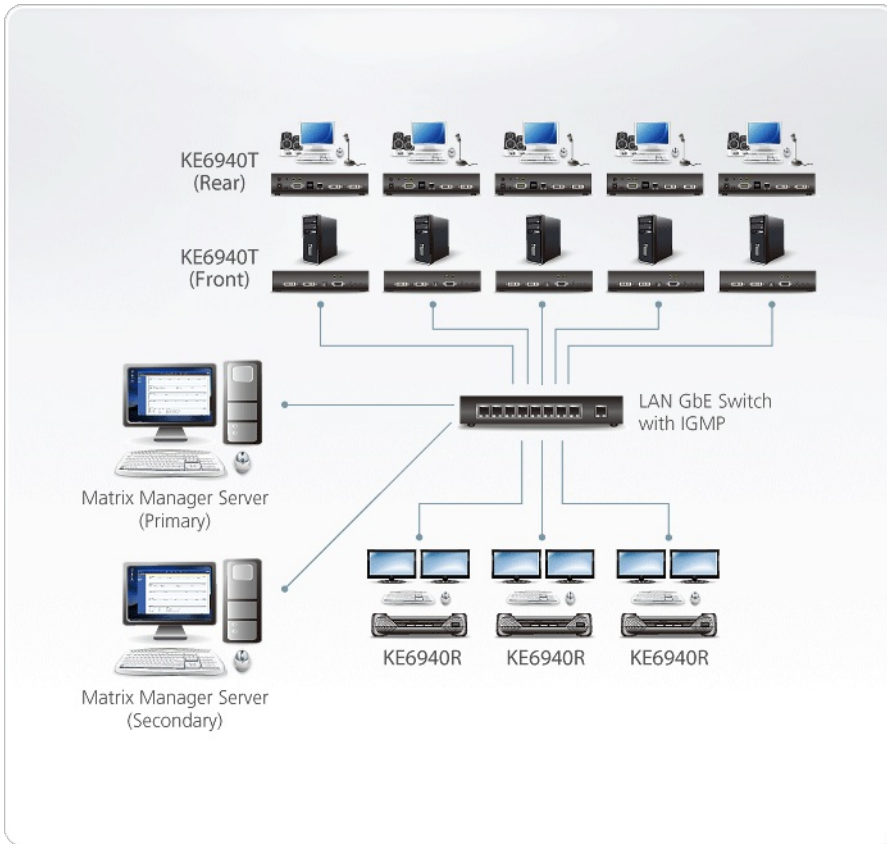
Please refer to the FAQ link below on how to select network switches and network switch information collected by ATEN Customer Service Division, where the collected information includes customer's feedback from their actual experience in using and installing the product(s).

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

Specification

Compatible Appliances	
KVM over IP switches	KE6900/KE6940/KE6900T/KE6940T/KE6900R/KE6940R/KE6900AT/KE6940AT/KE6900AR/KE6940AR/KE6910/KE6910T/KE6910R/KE6912/KE6912T/KE6912R/KE6920/KE6920T/KE6920R/KE6920AT/KE6920AR/KE6920TAR/KE6920ATAR/KE6920RAT/KE6920RAT/KE6920RAT/KE6920RAT
Authentication & Authorization	User account authentication and management (Administrator, super user, and user) CCKM supports both internal and external authentication – external authentication supports LDAP, Active Directory, RADIUS and TACACS+ Data transmission is secured by AES-128 encryption
Security	Data transmission is secured by AES-128 encryption
Network Protocol & IP Tools	IPv4, SSH, and Telnet.
Notification	SMTP. SNMP (v1, v3). (Future enhancement) Syslog. System message.
Task scheduling	CCKM database and configuration backup/restore (encryptable). Device firmware upgrade. Export logs by day, period (.csv). Export device logs by severity (.csv). Export Device List (.csv).
Logs	System logs. Device logs. Serial console server logs. SNMP traps. FUTURE ENHANCEMENT SNMP agent. FUTURE ENHANCEMENT
Server Redundancy	Primary/secondary architecture. 1 primary with a maximum of 1 secondary server. (Future enhancement to 5 secondary servers)
Supported OS	Windows: 7, 8.1, 10, server 2008, server 2012, or server 2016 Linux: Ubuntu 16.04, CentOS 7 *JAVA Runtime Environment (JRE) 8 or higher is required in above OS.
Supported Browsers	Internet Explorer (10 or later), Chrome (70 or later), Firefox (62 or later).
Multilingual Support	English, 繁體中文, 简体中文, 日本語, 한국어, Française, Español, Português, Deutsch, Русский.
Others	System Status Dashboard TX/RX Connections Dashboard Scheduled Profile Dashboard Online User/Account Management Instant link TX/RX Preview Image Video Walls Setting TX/RX groups Setting
License	
USB License Options	CCKM (1 primary/1 secondary, Unlimited Nodes). (Future enhancement to 5 secondary servers)
Basic (free)	1 Primary/8 Nodes.
Minimum Hardware Requirements	CPU: Pentium 4, 2.60 GHz or higher Memory: 1GB Hard drive: 500MB or more free space Ethernet: Giga LAN
Package Contents	1x CCKM USB License Key 1x Software CD 1x User Instructions

Diagram



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