

KVM over IP Matrix Manager CCKM

ATEN's KVM over IP Matrix Manager, CCKM, provides IT administrators with tools to centralize the control and management of KVM over IP extenders in their IT environment. It allows easy administration of all KVM over IP extenders with a user-friendly, web-based GUI.

The CCKM's Primary-Secondary architecture safeguards data transmissions through built-in 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 CCKM 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 CCKM, the KVM over IP extenders provide advanced features for username and password authentication, user authorization and auto-detection of all devices that can be switched and shared. With secured transmissions in mind, the KVM over IP extenders implement AES encryption, while RADIUS, LDAP and AD ensure user account authentication.

IT administrators receive the following benefits implementing the CCKM:

- 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 KVM over IP extenders.
- Secure and reliable access with AES encryption and server redundancy.

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



Features

Management

- Centralized CCKM, allowing you to configure, administer, control, and maintain all KVM over IP extenders via an intuitive web based GUI
- ATEN Matrix Link App — allows customers with licenses to remotely manage KVM over IP extenders on the CCKM with an iPad from anywhere
- 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 KVM over IP extenders
- Administrators can set access modes on Tx devices for collaboration or to avoid interference among users
- Primary-Secondary Infrastructure — offers centralized management failover with up to 5 secondary servers, for redundancy, and real-time database synchronization
- Administrators can easily view KVM over IP extenders status and the latest system events in the GUI dashboard
- Connection Redundancy — automatically connects to another transmitter (Tx) after disconnection with the original Tx, ensuring constant access to servers
- Authentication Lock — allows automatic logins upon system resume after temporary power down or network disconnection

Flexible and Efficient Operations

- Exceptional Video Wall Scalability — able to create multiple video wall layouts with up to 144 video displays (12 x 12)
- Advanced Scheduling — improves efficiency and saves costs by allowing media playback to be set based on time and date
- Video grouping of up to 4 sets of KVM over IP extenders to support Multi-Display applications
- Fast switching feature for switching transmitter/receiver connections in under a second
- SNMP Agent / SNMP Trap — automatically sends out SNMP Trap notifications upon specified events, and GET/SET specific configurations from the SNMP manager according to predefined OIDs within the stored MIB file

Easy-to-Use Interface

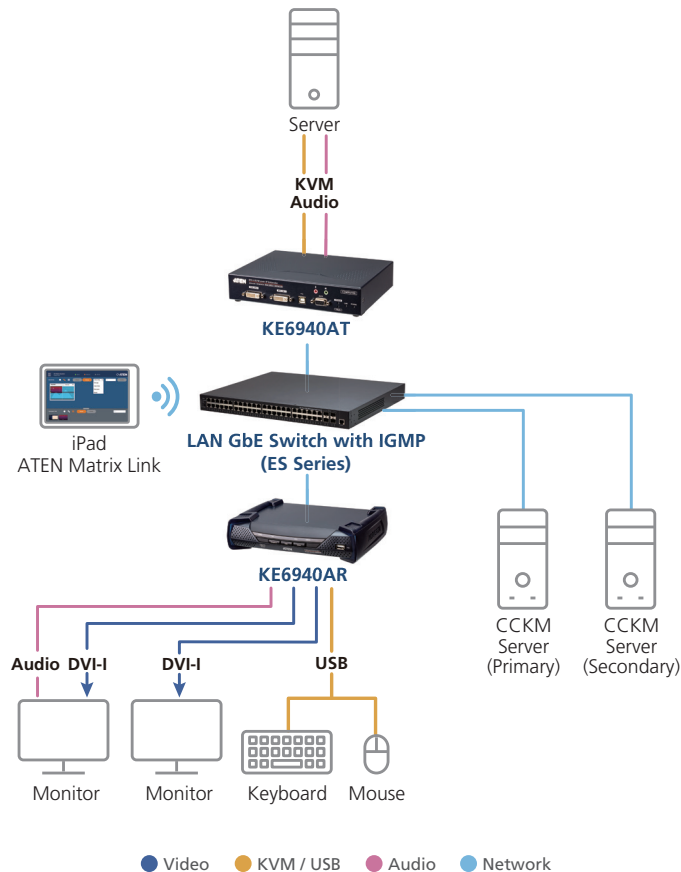
- Browser-based GUI offers a multi-language interface to minimize user training time and increase productivity
- Multi-browser support: Internet Explorer, Chrome, Firefox, Safari, and Opera
- Filter and export function for system event logs
- Email notification of specified system event logs
- Multi-platform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

Highlights

Easy to Use interface	The CCKM offers a user-friendly, intuitive, browser-based GUI for simplified access to IT equipment in global data centers and remote offices. The browser-based GUI offers a multilingual interface to minimize user training time and increase productivity.
Centralized Devices and User Permission Management	The CCKM provides centralized management and configuration of remotely distributed KVM over IP extenders. It also integrates user accounts with AD, LDAP, TACACS+ and RADIUS servers for improved authentication and authorization.
Primary-Secondary Architecture	The CCKM uses a Primary-Secondary architecture to offer service redundancy with real-time database updating. Once enabled, a Secondary server can automatically substitute for the Primary if the latter fails. Redundancy also means that its function and information are not lost — a redundant Secondary unit can provide the required management services until the offline unit comes back up.
Logging, Audits and Alerts	The CCKM offers flexible logging and reporting options with audit trails for diagnostics and troubleshooting. Powerful search functions and extensive sorting and filtering of log categories that quickly pinpoint the events you are searching for are also provided. Complete logs, as well as log search results, can be exported for audit and analysis.
Multi-Display	The CCKM can video group of up to 4 sets of KVM over IP extenders to support up to 8 display monitors for each server.



CCKM with License vs. CCKM without License Comparison

	CCKM with License	CCKM without License
Device Licenses	Unlimited	8 (Sum of Tx and Rx)
User Management	Yes	Yes
Permission Configuration	Yes	Yes
Downloadable Software*	Yes (ATEN Website)	Yes (ATEN Website)
License Key	Yes (USB / Virtual)	No
Redundancy	Yes	Yes
Multi-Display	Yes	Yes

Note: *Download from the ATEN eService website.

USB License Key Specifications

		CCKM USB License Key
Environment	Operating Temp.	0 - 40 °C
	Storage Temp.	-20 - 60 °C
	Humidity	0 - 80% RH, Non-condensing
Physical Properties	Housing	Metal & Plastic
	Weight	0.01 kg
	Dimensions (L x W x H)	8.36 x 2.78 x 1.37 cm

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