Simply Better Connections

KA8585

4K Quad Display KVM over IP Console Station

The 4K Quad Display KVM over IP Console Station KA8585 is a high-performance, all-digital standalone console with multi-view support that replaces a PC or laptop. It delivers crystal-clear 4K video from KG / CN series all-digital KVM over IP switch without any smearing or color bleeding, enabling users to remotely access, monitor and control all servers connected to multiple KG series KVM over IP OmniBus Gateways and CN series KVM over IP Switches, while providing advanced multi-view capabilities that allow simultaneous monitoring of multiple live sources across four displays. It also supports various data encryption methods to ensure impervious data security. The KA8585 can be deployed anywhere instant access and stringent security are required, making it ideal for applications such as studios, finance, software development and testing, offices, data centers, broadcast stations, control rooms, and network operations centers (NOC).

The KA8585 supports USB mouses/keyboards, along with 2 DisplayPort video outputs and 2 HDMI video outputs at resolutions up to 4096 x 2160 @ 60 Hz. It also allows users to multitask across four displays with a single keyboard and mouse. Additionally, it provides both a Control Mode and an Array Monitoring for each screen, giving users intuitive and flexible options to meet their requirements for specific applications.

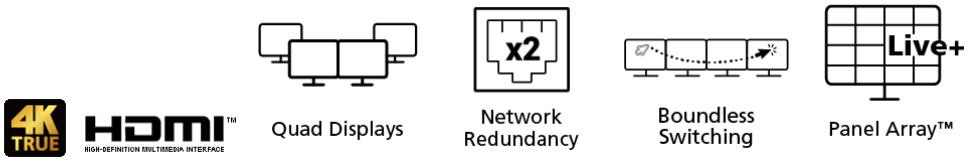
In Array Monitoring, the 4K Quad Display KVM over IP Console Station features Panel Array Mode™ Live+, allowing administrators to instantly monitor the video output of up to 64 servers per screen - meaning up to 256 servers can be monitored simultaneously across four displays. The feature makes it possible for real-time monitoring the status of all the ports at the same time, which is especially suitable for environments such as manufacturing and surveillance, where a large number of ports often need to be monitored.

In Control Mode, the KA8585 provides a canvas-like layout, allowing users to intuitively drag and drop up to 4x4 sources from the port tree list. Each source appears as a small window within the layout, which can be resized and displayed in PoP or PbP mode. Users can also press the auto layout icon to automatically arrange the windows. Each window provides direct keyboard and mouse control of the target server and includes a control panel with settings such as video quality, mouse sync, window size, enter full screen, and more.

The KA8585 also supports the Boundless Switching feature across four displays, allowing users to control servers seamlessly across all four screens.

Among its advanced functions, the KA8585 supports extended desktop with displays arranged vertically or horizontally, showing remotely connected servers across its four screens to provide users with a wider view for control.

The KA8585 can be set on a desk, mounted on a wall or at the rear of a rack, with its space-saving 0U rack-mount design. It is flexible and easy to install, featuring a GUI with multi-language interface for device management, user profile customization, as well as hassle-free configuration for large deployments.



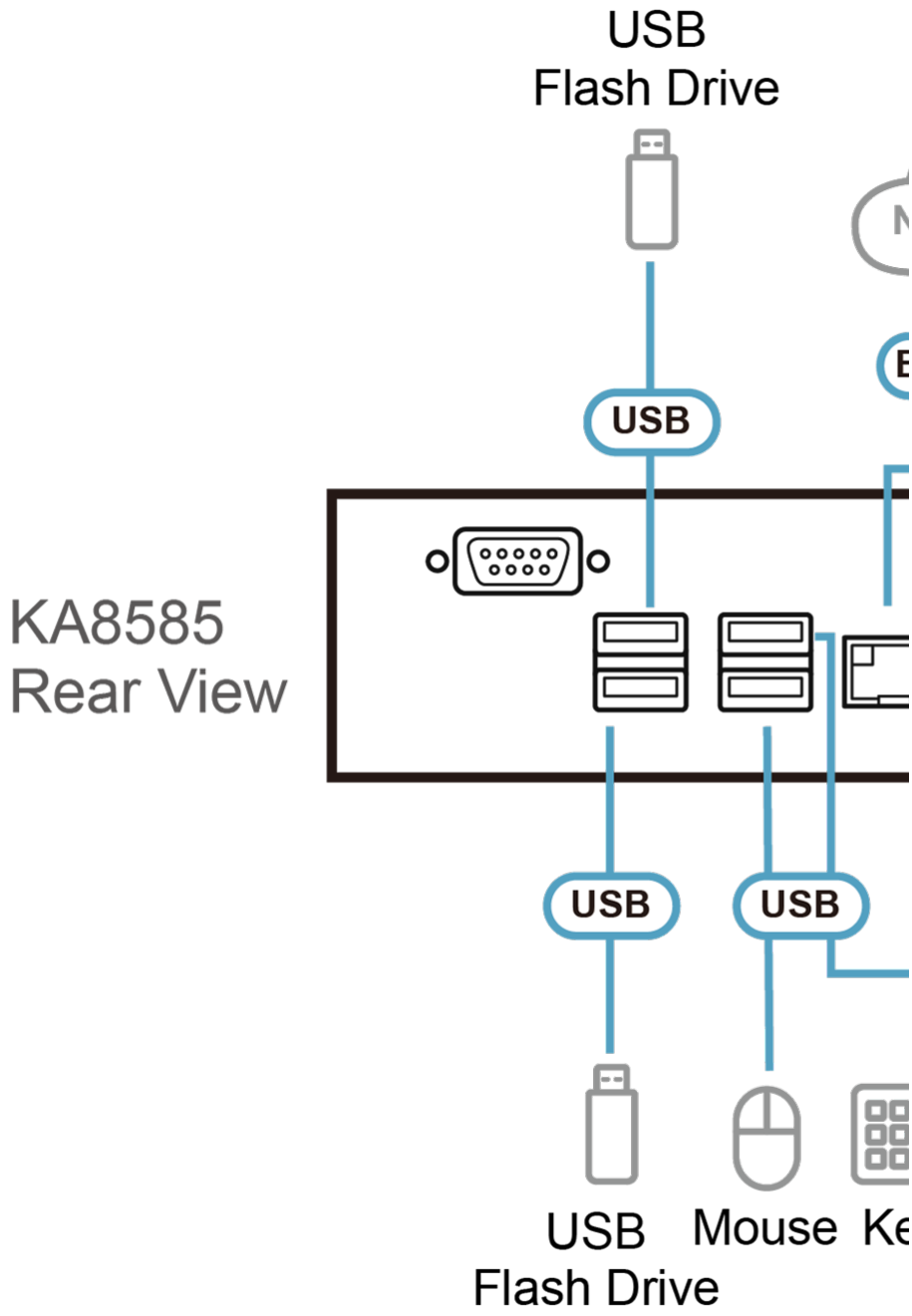
Features

- A high-performance, all-digital standalone console that replaces a PC or laptop
- Delivers crystal-clear 4K video from KG / CN series all-digital KVM over IP switches without any smearing or color bleeding for users to remotely access, monitor and control all servers connected to KVM over IP switches
- Impenetrable security against virus threats and impervious data protection
- Single sign-on to consolidate the management of multiple KG / CN series KVM over IP switch
- Panel Array Mode™ Live+ – real-time monitoring of livestreamed video feeds from all ports in a configurable multiscreen layout which is variable as needed (up to 8 x 8 per screen.)
- Features both a Control Mode and an Array Monitoring for each screen, giving users intuitive and flexible options to meet their requirements for specific applications
- In Array Monitoring, the KA8585 supports Panel Array Mode™ Live+, enabling administrators to view up to 64 servers per screen – or 256 servers across four displays – in real time
- Each source appears as a small window within the Control Mode layout, which can be resized and displayed in PoP or PbP mode, or automatically arranged by pressing the auto layout icon
- 2 HDMI and 2 DisplayPort video outputs – enables users to multitask across four 4K displays with a single keyboard and mouse
- Supports Boundless Switching – allows users to control up to 4 screens by using one set of keyboard & mouse
- Extended desktop – supports extended display for remotely connected PCs on the four screens of KA8585
- GUI with multi-language interface

Specification

Connectors	
Console Ports	4 x USB Type A Female (Blue) 2 x DisplayPort Female (Black) 2 x HDMI Female (Black) 1 x Audio line out Jack (Black) 1 x DB-9 Male (Black)
Power	1 x Lockable DC Jack (Black)
LAN Ports	2 x RJ-45 (Blue) up to 2.5G
Pushbuttons	
Pushbuttons	1 x Power (Black) 1 x Reset (Black)
LEDs	
Power	1 (Blue)
Storage	1 (Orange)
Power Consumption	DC19V:33W:420BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Video Resolution	Up to 4 * 4096 x 2160 @ 60Hz
Latency	< 50ms
Environmental	
Operating Temperature	-10–50°C
Storage Temperature	-40–85°C
Humidity	10–90% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	1.34 kg (2.95 lb)
Dimensions (L x W x H)	20.00 x 19.00 x 4.18 cm (7.87 x 7.48 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


USB
Flash Drive
USB
KA8585
Rear View
USB
USB
USB
Flash Drive
Mouse

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