ASCENT
Communication Technology

Cat5 LCD KVM

Local / Remote

Access over IP

KVM1700 Series

- **Control up to 8 / 16 / 24 / 32 computers**

- **Support servers with VGA/HDMI/DVI/DP port**

- **Adaptive 10 / 100 / 1000 Mbps network**

- **BIOS-level access**

- **Full screen or scalable video display**

- **Support AES / DES / 3DES encryption**

- **Support exit macros**

- **Support firmware upgrade**

Featuring an integrated LCD monitor, keyboard, and touchpad in a 1U rack-mountable housing, Ascent's KVM1700 series LCD KVM over IP Switch is a control unit that allows secure access to 8 / 16 / 24 / 32 computers from a single KVM console.
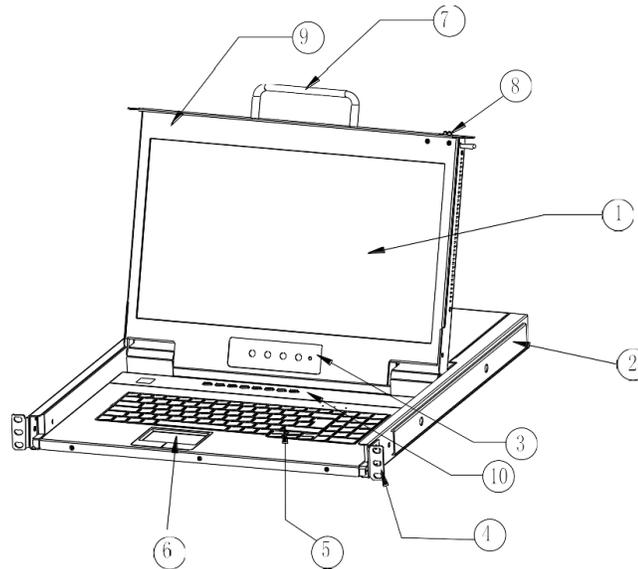
The KVM1700 features IP-based connectivity that allows local and remote operators to monitor and access the computers. With TCP/IP communications protocol, the KVM1700 series can be accessed from any computer on the LAN, WAN or Internet.

It's easy to set up the KVM1700 series, just plug the cable into the appropriate port, no software needed, no complicated installation procedures, and no compatibility issues. Connect computers with compact RJ-45 connectors and Cat 5e/6 cable, transmitting distance is up to 100m.
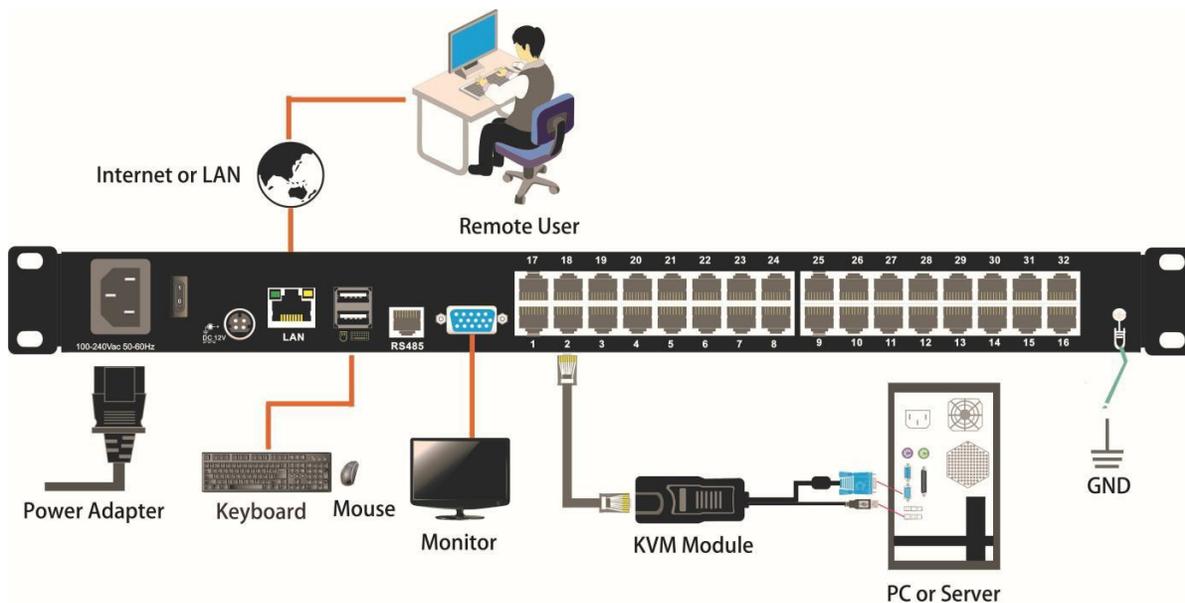
Key Features

- Control up to 8 / 16 / 24 / 32 computers

- Support 1 local user and 2 remote users, port share mode allows local and remote users to gain access to a server simultaneously

- Easy-to-use switching by browser-based UI interface, hotkeys and pushbuttons

- Support servers with VGA/DVI/HDMI port

- Multiplatform client support (Windows, Linux, Unix, Mac, Solaris (Sun), Redhat, Ubuntu)

- Local Console, Browser, and AP GUIs offer a unified Multilanguage interface

- Local resolution is up to 1280 x 1024

- Support mouse synchronization mode-automatically synchronizes the local and remote mouse movements

- Video synchronization with local console – EDID information for local console display can be stored in the host module for video resolution optimization

- Keyboard and mouse emulation to ensure the normal booting

- Auto scan feature for monitoring user-selected computer

- Hot pluggable – add or remove computers without having to power down the switch

- Adaptive 10 / 100 / 1000 Mbps network

- WEB browser-based or KVM Clients remote management

- BIOS-level access

- Video quality and video tolerance can be adjusted to optimize data transfer speed, up to 30 FPS

- Full screen or scalable video display

- Remote users and local users can control the same server synchronously

- Support AES / DES / 3DES encryption

- Support audit function-allows the administrator to audit the device through the system log and operation log

- Exit Macros support

- Configurable user and group permissions for server access and control

- Message Board for communication among remote users

- Support firmware upgrade

Outline Diagram

1. LCD Monitor	2. Rear Bracket Slot	3. Display Menu Buttons
4. Mounting Bracket	5. Keyboard	6. Touchpad
7. Handle	8. Release Switch	9. Display Panel
10. Port Selection Buttons		

Application Diagram

Specifications

Model		KVM1708	KVM1716	KVM1724	KVM1732
Computer Connections	Direct	8	16	24	32
	Max	8	16	24	32
Port Selection		Pushbutton, UI interface, Web			
LCD Monitor	Model	SXGA TFT			
	View Area	17"			
	Optimum Resolution	1280×1024@60Hz			
	Color	16.7 M			
	Brightness	250 cd/m² (Typ)			
	Contrast Ratio	1000 : 1 (Typ)			
	Pixel Pitch	0.264(H) mm × 0.264(W) mm			
Mouse	X/Y Resolution	>1000 points / inch, (40 points/mm)			
	Trackball	Supports trackball function			
Keyboard		99 keys (82 keys main keyboard +17 independent number pad)			
Remote	Remote Control	KVM Control (ActiveX Control)			
	Management	Web			
	Security	DES Encrypted			
	Resolution	1920×1080@60Hz			
Power Input		100V to 240V AC , 50 to 60 Hz , <1.5 A			
Power Consumption		19W	21W	25W	25W
Operating Temperature		0 to 40 °C			
Store Temperature		-20 to 60 °C			
Humidity		0 to 80% RH, non-condensing			
Net Weight		13kg	13kg	13kg	13kg
Product Dimension (W × D × H)		448mm × 581mm × 42.5mm			
Package Dimension (W × D × H)		765mm × 615mm × 185mm			

Ordering Information

Product Name	Description
KVM1708	17-inch KVM, 8 ports and supports one remote user and one local user. With 17 "LED display full screen, resolution: 1280*1024@60Hz
KVM1716	17-inch KVM, 16 ports and supports one remote user and one local user. With 17 "LED display full screen, resolution: 1280*1024@60Hz
KVM1724	17-inch KVM, 24 ports and supports one remote user and one local user. With 17 "LED display full screen, resolution: 1280*1024@60Hz
KVM1732	17-inch KVM, 32 ports and supports one remote user and one local user. With 17 "LED display full screen, resolution: 1280*1024@60Hz

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