

Cat5 LCD KVM over IP Switch 1-Local/2-Remote Access (8 Port/16 Port/24 Port/32 Port)

(HT5808/HT5816/HT5824/HT5832)



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1. Product Overview

1.1 Introduction

The IP-based KVM (IP-KVM) redirects the local keyboard, mouse and video data to a remote management console. The operator can safely manage one or many computers locally at the server site or remotely via a standard internet browser. Securely gain BIOS level access to systems for maintenance, support or failure recovery over the internet.

The IP-KVM console integrates multiple KVM switches in a 1U height console. It can control multiple computers with a set of devices including monitor, keyboard and mouse; saving cost and space by consolidating the hardware to a single device.

The IP-KVM console is fast and easy to install. Simply connect corresponding cables to the correct ports of the KVM and its module without software configuration. Connect multiple computers with compact RJ-45 connectors and CAT5e/6/7 cables, transmitting distance is up to 100M.

1.2 Features

Hardware

- 18.5" LCD monitor, high definition and high resolution
- Rack-mountable in a 1U EIA system rack
- Full size keyboard with integrated number pad
- Trackball eliminates the need for a separate, external mouse
- Dual power supply

Local Console

- 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 or access different servers
- Easy-to-use switching by browser-based UI interface, hotkeys and pushbuttons
- Support servers with VGA/HDMI/DVI/DP port
- Multiplatform client support (Windows, Linux, Unix, Mac, Solaris (Sun), Redhat, Ubuntu)
- Supports a graphical interface for intuitive and convenient human-computer interaction- local resolution is up to 1366×768@60Hz
- Supports 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

Remote Console

- 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
- Supports firmware upgrade

1.3 Appearance

Front View

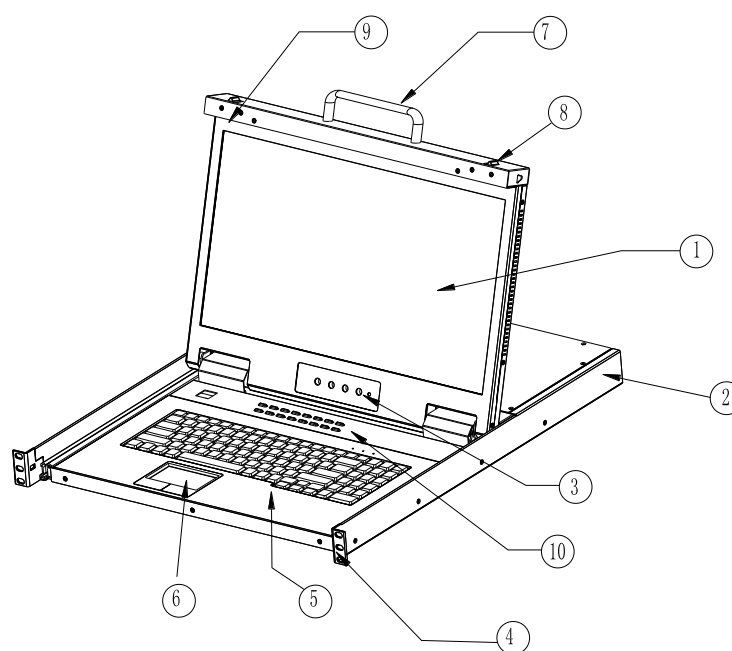


Figure 1.1 Front view

1. LED Module	6. Touchpad
2. Rear Bracket Slot	7. Handle
3. LED OSD Controls	8. Release Catch
4. Front Bracket	9. Display panel
5. Keyboard	10. Switch LED

Structure and Size (18.5)

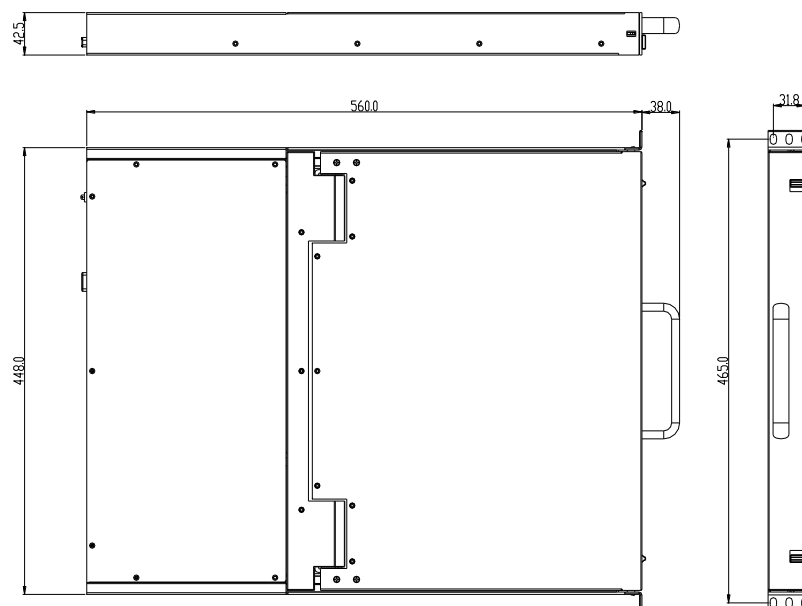


Figure 1.2 Size Dimensions

Rear View

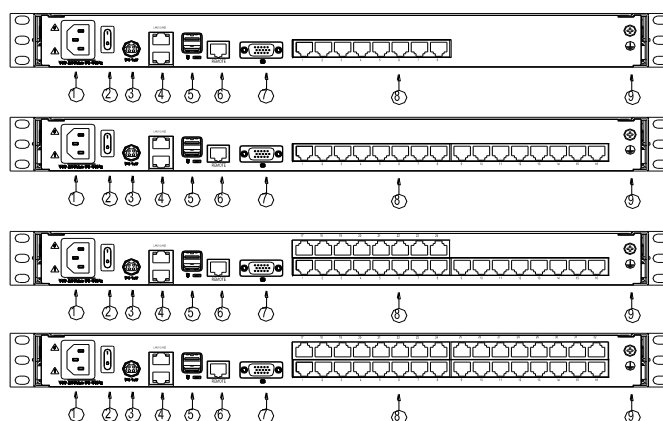


Figure 1.3 Rear view

1. Power Input (AC)	6. RS485 Port
2. Power Switch	7. Monitor Port
3. Power Input (DC)	8. PC Connecting Port
4. LAN Port	9. Ground Screw
5. USB Port	10. /

2. Installation and Start-up

2.1 Rack Mounting

A standard rack mounting kit is provided to mount the switch in a depth of 686-770 mm in a standard 19" rack. For other mounting distances, the rear brackets need to be customized accordingly. With one person hold the switch in place, the other person slides the L bracket into the switch's side mounting brackets from the front to the back, then screws the brackets to the rack (see below installation drawing).

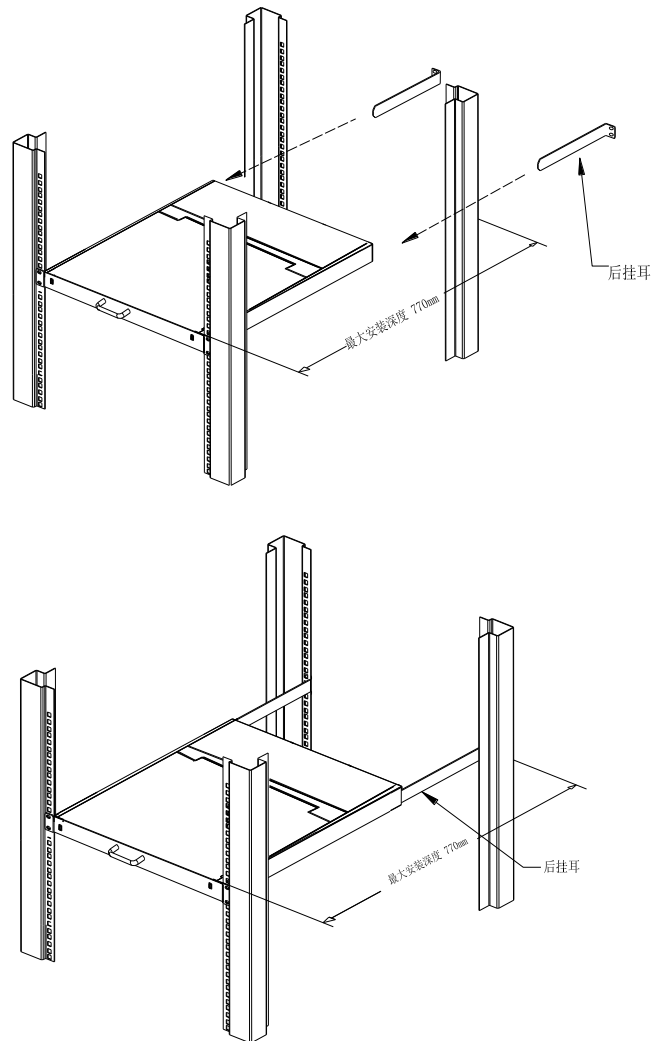


Figure 2.1 Rack Installation Diagram

2.2 Install KVM Components

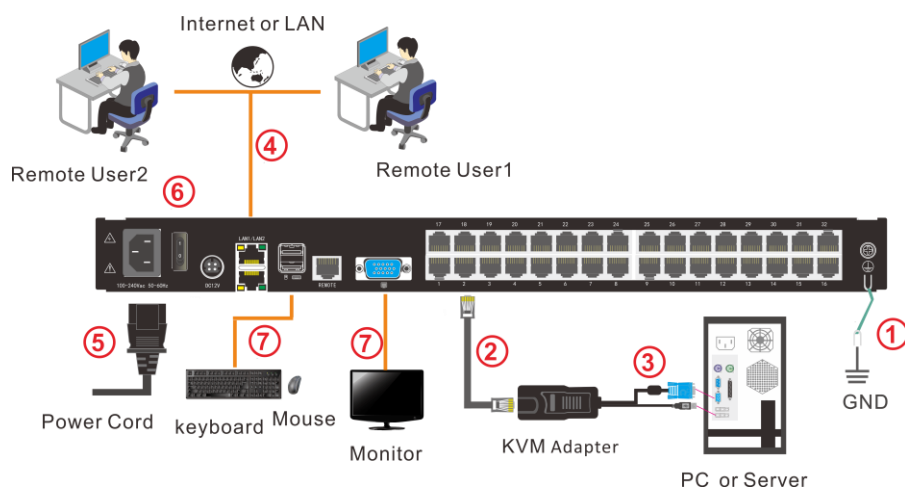


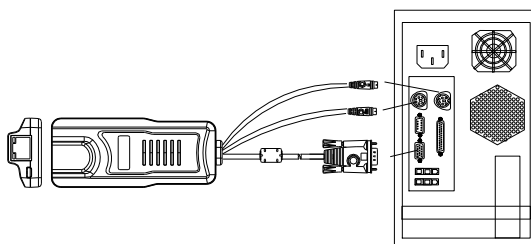
Figure 2.2 Installation diagram

Installation Steps:

1. Make sure the KVM console has been connected to the ground.
2. Connect the KVM adapter to the PC or Server.
3. Connect the KVM adapter to the KVM port with a CAT5 cable.
4. You can remote control the KVM switch via IP.
5. Using power adapter to connect the KVM into 220V AC power supply.
6. Power on the switch
7. Connect the external keyboard, mouse and monitor (optional)

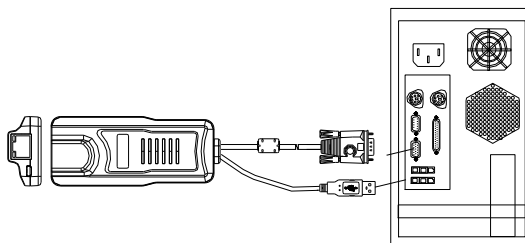
2.3 KVM Adapter

PS/2 Adapter



Model No.	Keyboard/Mouse	PC	Explanation
KCM-1100P	PS/2	VGA	Connect to PS2/VGA server

USB Adapter



Model No.	Keyboard/Mouse	PC	Explanation
KCM-1200U	USB	VGA	Connect to USB/VGA server
KCM-3200H	USB	HDMI	Connect to USB/HDMI server
KCM-2200D	USB	DVI	Connect to USB/DVI server
KCM-4200P	USB	DP	Connect to USB/DP server

3. Specifications:

Model		HT5808	HT5816	HT5824	HT5832
Computer Connections	Direct	8	16	24	32
	Max	8	16	24	32
Port Selection	Keyboard, Mouse	Button, UI, Web, Hotkey			
LED Monitor	Model	WXGA TFT			
	View Area	18.51"			
	Optimum Resolution	1366×768@60Hz			
	Color	16.7 M			
	Brightness	250cd/m ² (Typ)			
	Contrast Ratio	1000 : 1 (Typ)			
	Pixel Pitch(mm)	0.300(H) × 0.300(W)			
Mouse	X/Y Resolution	>1000 points / inch, (40 points/mm)			
	Scroll Wheel	Supports Scroll Wheel function			
Keyboard		99 keys (82 keyboard + 17 number pad)			
Remote	Remote Control	KVM Control (A9ctiveX)			
	Management	Web			
	Security	DES Encrypted			
	Resolution	1920×1080@60Hz			
Power Input		100V- 240Vac , 50-60Hz , <1.5A			
Mounting distance		686-770mm (L=262mm) Mounting bracket can be customized for other mounting distance			
Power Consumption		29W	31W	33W	35W
Operating Temperature		0 — 50 °C			
Store Temperature		-20 — 60 °C			
Humidity		0—80% RH, non-condensing			
Net Weight		11.7 kg	11.7kg	11.9kg	11.9kg
Product Dimension (W × D × H)		448mm×560mm×42.5mm			
Package Dimension (W × D × H)		765mm×615mm×185mm			