16x1 HDMI KVM Switch

HKS1601A1U

This 16x1 HDMI KVM switch provides you with great flexibility in integrating cross-platform computer equipment easily. It makes you available to switch easily and reliably between any HDMI computers using one HDMI compliant display.
The 16x1 HDMI KVM switch supports USB 2.0 hub and USB 2.0 keyboard /mouse. By using USB 2.0 hub ports on the KVM, you even can attach USB drive, printer, barcode scanner or other USB devices to the KVM. Switching can be controlled through variable methods, such as the front panel source selector buttons, RS232 commands, IP commands, IR signals and hot keys on keyboard.
With EDID emulators in each input port, keep PCs always having correct display information, prevent display settings from changing while switching input ports.

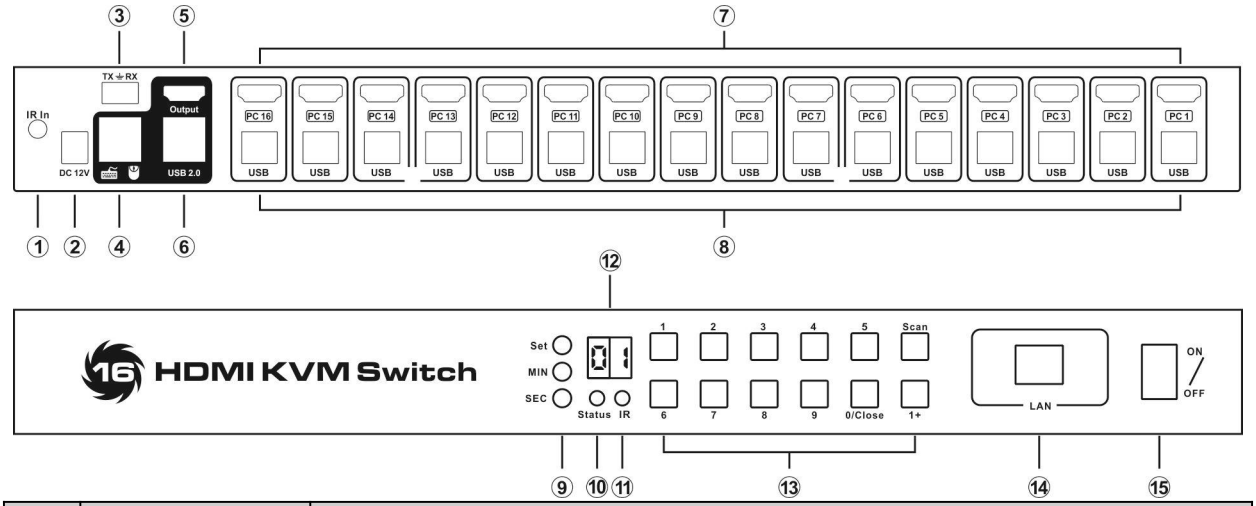
Features

- Using only 1 set of keyboard and mouse to control 16 PCs
- Support Unix /Windows /Debian /Ubuntu /Fedora /Mac OS X /Raspbian /Ubuntu for Raspberry Pi and other Linux based systems
- With EDID emulators in each input port, keep PCs always having correct display information
- Support hot plug, connect or disconnect devices to the KVM switch in any time without turning off devices
- Support auto switching to monitor computers in a specified time interval
- Support front panel buttons, IR signals, keyboard hot keys, RS232 serial commands or IP commands to control KVM switch
- Available to use keyboard without any delay after switching input sources
- Support resolution up to 3840*2160@60Hz
- With extra standard USB 2.0 hub port, it is possible to connect barcode scanner, USB hard drive or other USB devices to KVM just as you have plug these devices directly to computer
- Support DVI-D single link sources and displays with the use of HDMI-to-DVI adapters

Packing list

1 * 16x1 HDMI KVM Switch
1 * DC 12V 2A Power Adapter
1 * IR Remote Control
1 * IR Receiver Cable
1 * 3 Pins Connector (For RS232)
2 * Rack-ears
1 * Quick-Start Guide

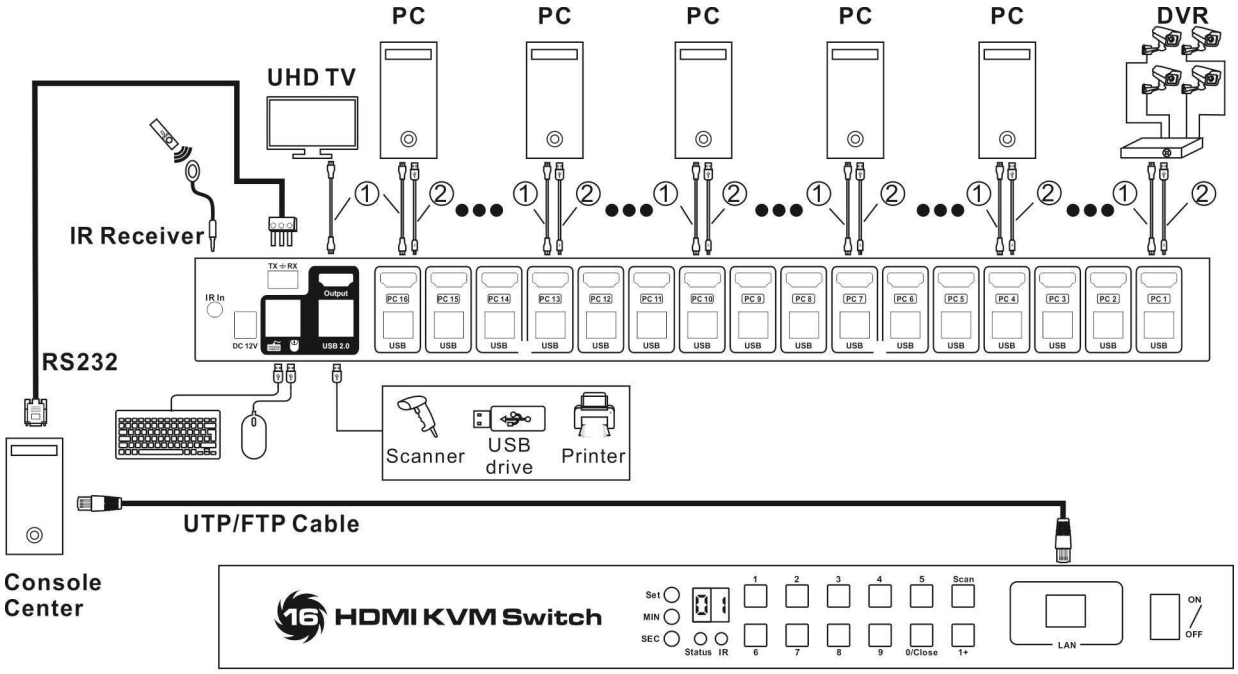
Panel descriptions



ID	Name	Description
1	IR in	Connect IR receiver extension cable to this port, then it is able to use IR control even if the KV switch is installed in a rack
2	DC 12V	12V DC power supply
3	RS 232	Connect this port to any control termination, then it is able to select the input sources by sending RS232 commands
4	USB2.0 port	For USB2.0 devices, for example printers, USB hard disk, barcode scanner, touch pad,etc
5	HDMI output	Connect to HDMI display
6	Keyboard and mouse input	For USB keyboard and mouse input, including wireless keyboard and mouse
7	HDMI input	Connect to HDMI sources
8	USB data	Connect to computer by USB Type A to Type B cable
9	Auto scan time interval settings	**[MIN]**: Press [MIN] to loop between 0~59 minutes **[SEC]**: Press [SEC] to loop between 0~59 seconds **[Set]**: After setting minutes and seconds, press button [Set] to enter final scan time interval setting
10	Status LED	**Red**: Turn off auto scanning mode **Green**: Turn on auto scanning mode
11	IR receiver	Receive IR signal
12	LED display	Display current selected input port

13	Keypad	[1~9]: Press these buttons to directly select input 1~9 sources [0/Close]: Press this button directly will turn on or turn off the display out; Press [1+] then [0/Close] to select input 10 [Scan]: Press this button to start or stop automatically scan between input 1 to input 16. The interval time can be set by buttons [Set], [MIN], [SEC] as described above
14	LAN port	By connecting to the LAN through this port, you can use the terminal device in the same LAN to send TCP/IP commands to control the switching of input port
15	Power switch	Turn on or off power supply

Connection diagram



Note: ① HDMI cable
② USB type A to type B cable.

Specification

HKS1601A10	16x1 HDMI KVM Switch	
Functionality:		
Auto Scan	Yes	
Port selection	Front panel buttons	Yes
	Keyboard hotkeys	Yes
	IR remote control	Yes
	Console commands	RS232 / IP
Technical:		
Max. Resolution	3840x2160@60Hz	
Auto to get EDID	Yes	
Data rate	10.2 Gbps	
Auto scan interval	5~3600 Seconds	
Beep Sound	On/Off	
OSD	No	
Supported OS	Unix/Windows/Debian /Ubuntu /Fedora /Mac OS X/ Raspbian /Ubuntu for Raspberry Pi and other Linux based system	
Console ports	Keyboard emulation	1 * USB Type A
	Mouse emulation	1 * USB Type A
	USB 2.0 Hub ports	2 * USB Type A
	Video /Audio	1 * HDMI Type A
	RS232	3 Pins jack
	LAN (TCP/IP)	1 * RJ45
	IR extension input	1 * AUX
System ports	USB Data	16 * USB Type B
	Video / Audio	16 * HDMI Type A
ESD protection	Human body model - ±8kV (Air-gap discharge)	
Mechanical:		
Chasing material	Metal	
Product	Dimension	440 (L) x 150 (W) x 44.5 (H) mm
	Weight	1905g
Item	Dimension	488 (L) x 123 (W) x 186 (H) mm
	Weight	3461g
Carton	Dimension	505 (L) x 280 (W) x 395 (H) mm
	Quantity	4pcs
	Total Weight	14.594kg