JideTech 9116H-CA1 HDMI USB KVM Switch User Manual

User Manual
6/8/16 Port HDMI2.0 KVM Switches

Contents

9116H-CA1 HDMI USB KVM Switch

Thanks for buying our HDMI KVM switch. It allows you to access six,eight or sixteen computers /DVR/NVR from a single USB keyboard,USB mouse and monitor console.We have single monitor and dual monitor KVM switches for your selection. They are widely used in security exchange market ,multimedia conference room,booking hall ect…
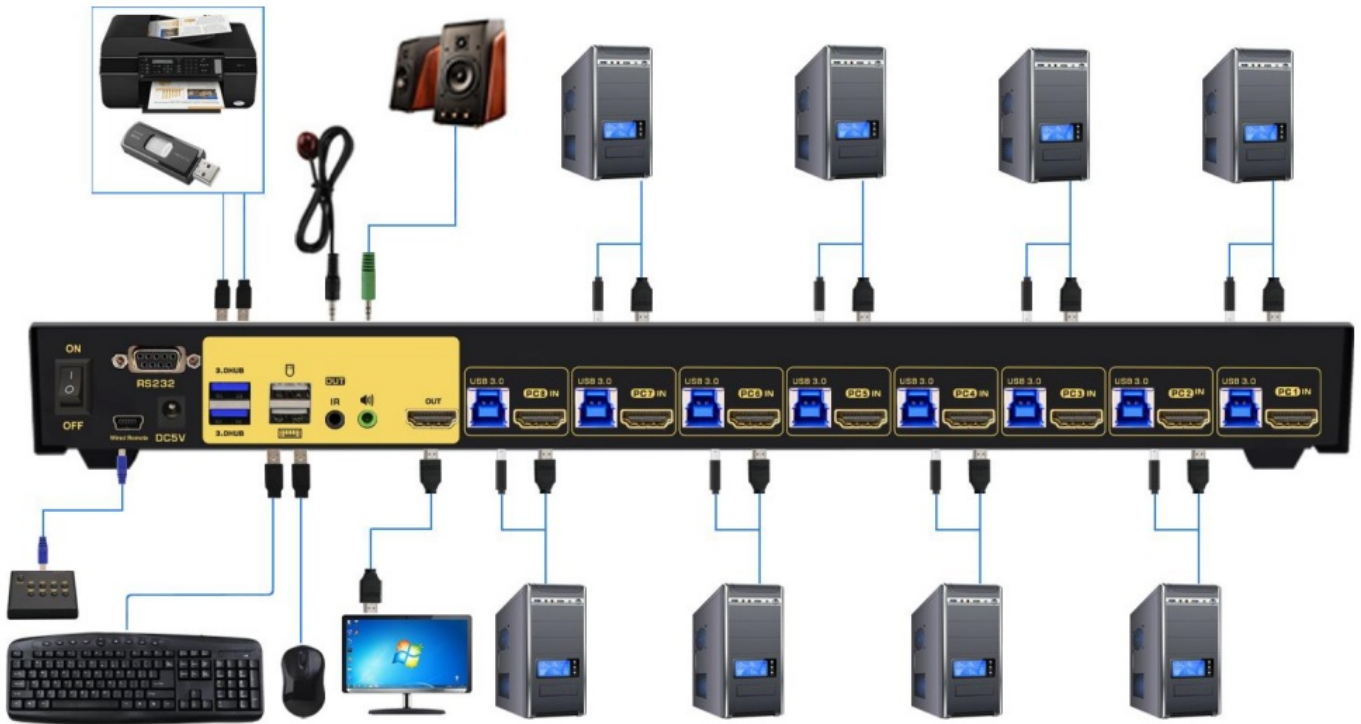
♦ Single monitor HDMI KVM Switch Features:

➢ One USB console controls 6/8/16 HDMI-interface computers /DVR/NVR

➢ Six switch Modes: a.push button b. Keyboard Hot-Key switch c. double click mouse switch d. wired remote push button e. IR remote f. RS232 control

➢ Support resolution: 480i,480p,720p,1080i,1080p,4096 ×2160@60Hz,4:4:4

➢ HDMI 2.0 compliant.

➢ Multi-platform support: Windows 10/7/2000/XP/Vista LinuX and Mac.

➢ Support hot plug & play.

➢ Support HDCP and auto EDID.

➢ Support auto detection, if one computer is powered off, the switch will automatically switch to the next powered-on computer (default as inactive, please follow Hotkey operation for activation).

➢ With memory function in case of power-down.

➢ Auto Scan Mode for monitoring all computers /DVR/NVR

➢ With extra USB3.0 HUB for data transferring rate up to 5Gbps/s (10 times faster than USB 2.0).

➢ With separate audio & microphone output

Data sheet

Computer connections			6port	8port	16port
Interface	Console Ports	Keyboard	1×USB AF	1×USB AF	1×USB AF
		Monitor	1×HDMI F	1×HDMI F	1×HDMI F
		Mouse	1×USB A F	1×USB A F	1×USB A F
	Input Ports	Keyboard/Mouse	6×USB B F	8×USB B F	16×USB B F
		Monitor	6×HDMI F	8×HDMI F	16×HDMI F
	DC Socket		1×DC5.5×2.5mm	1×DC5.5×2.5mm	1×DC5.5×2.5mm
Push Button			7	9	17
LED Light			2	2	2
Max Resolution			4096×2160@60Hz	4096×2160@60Hz	4096×2160@60Hz
Digital display			1	1	1
Scan Interval			8-999 seconds	8-999 seconds	8-999 seconds
Power Consumption			5W	5W	7.5W
Environment	Operating Temp		0-50℃	0-50℃	0-50℃
	Storage Temp		-20-60℃	-20-60℃	-20-60℃
	Humidity		0-80%RH, Non-condensing	0-80%RH, Non-condensing	0-80%RH, Non-condensing
Physical Properties	Housing		Metal	Metal	Metal
	Length×Width×Height		270×110×42MM	440×150×42MM	440×150×42MM

◆ **Connection Diagram:**

◆ Dual monitor HDMI KVM Switch Features:

➤ Controls computers and other applicable devices with multiple graphic outputs using one set of keyboard, mouse and dual monitors.

➤ Support extended / duplicated / spliced display depending on computer setting.

➤ Support Resolution:480i,480p,720p,1080i,1080p,2K,4K@60Hz 4:4:4 HDR10

➤ HDMI 2.0 compliant

➤ Switch Mode: a.Keyboard Hot-Key switch b. click mouse wheel switch c. button switch on the front panel.

➤ Multi-platform support: Windows 10/7/2000/XP/Vista   Linux and Mac.

➤ Support hot plug & play.

➤ Support HDCP and auto EDID.

➤ Support auto-detection. If one computer is powered off, the switch will automatically switch to the next powered-on computer (default as inactive, please follow hotkey operation for activation.)

➤ Build in memory function in case of power-down

➤ Support independent mouse keyboard switch, even without USB signal input, you can switch the input device easily by keyboard or mouse.

➤ Auto Scan Mode for monitoring all computers/DVR/NVR

➤ Extra USB3.0 HUB for data transferring rate up to 5Gbps/s (10 times faster than USB 2.0)

➤ Separate audio & microphone output.

Data sheet

Computer connections			6port	8port	16port
Interface	Console Ports	Keyboard	1×USB AF	1×USB AF	1×USB AF
		Monitor	1×HDMI F	1×HDMI F	1×HDMI F
		Mouse	1×USB A F	1×USB A F	1×USB A F
	Input Ports	Keyboard/ Mouse	6×USB B F	8×USB B F	16×USB B F
		Monitor	6×HDMI F	8×HDMI F	16×HDMI F
	DC Socket		1×DC5.5×2.5mm	1×DC5.5×2.5mm	1×DC5.5×2.5mm
Push Button			7	9	17
LED Light			2	2	2
Max Resolution			4096×2160@60Hz	4096×2160@60Hz	4096×2160@60Hz
Digital display			1	1	1
Scan Interval			8-999 seconds	8-999 seconds	8-999 seconds
Power Consumption			5W	5W	7.5W
Environment	Operating Temp		0-50℃	0-50℃	0-50℃
	Storage Temp		-20-60℃	-20-60℃	-20-60℃
	Humidity		0-80%RH, Non-condensing	0-80%RH, Non-condensing	0-80%RH, Non-condensing
Physical Properties	Housing		Metal	Metal	Metal
	Length×Width×Height		270×110×42MM	440×150×42MM	440×150×42MM

◆ **Connection Diagram:**

♦ **How to set up:**

1. Power off all devices;(All the devices you wish to connect with switch such as PCs)
2. Connect each computer to the corresponding PC input section on the KVM switch using the USB and HDMI cables included in the box.
3. Plug your mouse and keyboard into the corresponding USB mouse and keyboard port on the back panel;
4. Connect your monitor(s) to the KVM.
5. Plug in your speaker or microphone if needed.
6. Power up the KVM switch, then monitor(s) and computers.
7. Set computer display modes to extended display / duplicated display as needed. (windows key + P)

Note: The monitors take around 20 seconds to display at first set-up; After that, it only takes about 4-5 seconds to show upon switching.

♦ **Six Switch Modes**

• Push Button Switch Switch to any port by buttons on front panel.

• Wired remote push button switch : Switch to any port by remote button after you plug it to the KVM.
  Notes:
  push button switch and wired remote push button switch cannot be used in conjunction.
  When you plug wired remote push button to the KVM, button switch will be disabled.

- Keyboard Hot-key Switch : fox example, press the right   Ctrl   twice→ Port Number→ Enter
- Click mouse Switch: Double click the middle roller of mouse, then press the right(or the left) mouse button to switch to the next(or the previous) port.

  a. Double click the middle roller of mouse, then press the right mouse button to switch to the next port.

  b. Double click the middle roller of mouse, then press the left mouse button to switch to the previous port.
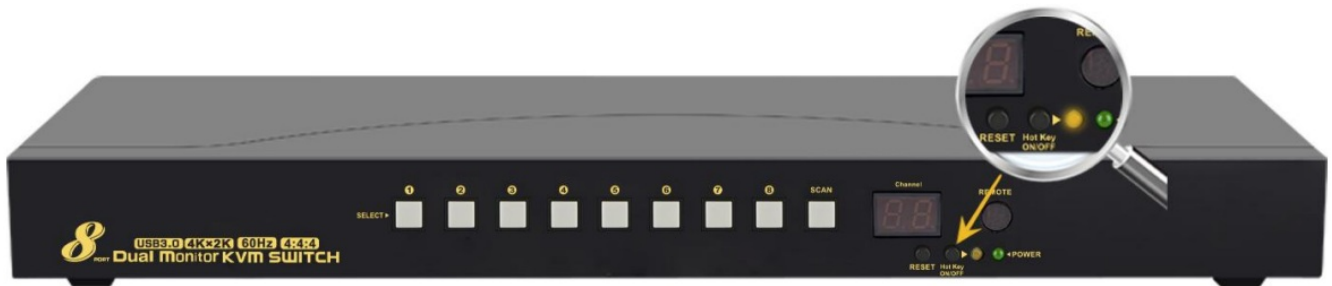

- IR remote Switch Switch to any port by IR remote.
- RS232 Switch   Switch to any port by RS232 control   According to your own platform, enter the following serial code to control .

Output select in1:	Output select in9:
FF63 FF69 FF72 FF20 FF31 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF39 FF
Output select in2:	Output select in10:
FF63 FF69 FF72 FF20 FF32 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF3A FF
Output select in3:	Output select in11:
FF63 FF69 FF72 FF20 FF33 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF3B FF
Output select in4:	Output select in12:
FF63 FF69 FF72 FF20 FF34 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF3C FF
Output select in5:	Output select in13:
FF63 FF69 FF72 FF20 FF35 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF3D FF
Output select in6:	Output select in14:
FF63 FF69 FF72 FF20 FF36 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF3E FF
Output select in7:	Output select in15:
FF63 FF69 FF72 FF20 FF37 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF3F FF
Output select in8:	Output select in16:
FF63 FF69 FF72 FF20 FF38 FF32 FF0D FF0A	FF63 FF69 FF72 FF20 FF40 FF
Auto Scan	
FF63 FF69 FF72 FF20 FF41 FF32 FF0D FF0A	

♦ Turn on/off mouse and Keyboard hotkey

1. Turn off mouse wheel switch: When hotkey switch is on (default as on and the small dot in the display window lights up.) Press right [Ctrl] twice → [M] → [Enter], after 'beep' sound, mouse wheel s witch function is turned off, the USB mouse port will be changed to a standard USB 2.0 HUB. The smal l dot in the display window still lights up.

2. Turn off Keyboard Hotkey:

   1)When the hotkey switch is on, press right [Ctrl] twice → [K] → [Enter]. After the 'beep' sound, t he keyboard hotkey is turned off, and the USB keyboard port will be changed to a standard USB 3.0 HU

   B. The small dot in the display window disappears.

   2) Or quick press the hotkey on/off button on front panel (do not hold on to it).

3. Restore Hotkey Function: When mouse switch and hotkey switch were turn off, you could press 'Hot key on/off' button to restore Hotkey function ('Hotkey On' light will be turned on in green).

   Note: Consider turning off the mouse and keyboard, and hotkey in the following scenarios:

   1. Mouse wheel click switch function conflicts with your mouse click needs.

   2. We Suggest you turn off the hotkey function if you use special gaming, multi-media, or mechanical keyboard and mouse. You can still use the wired remote switch for a convenient switch

♦ Hotkey Setting

Default hot-key is the right Ctrl .If use the right Ctrl conflict with other hot-key The hot-key can be set to Num lock key or Scroll Lock .

For example Double click the right Ctrl → Num lock → Enter The hot-key change to Num lock double click the right Ctrl → Scroll Lock → Enter The hot-key change to Scroll Lock key.If the hot-key set as Scroll Lock and you want to set the hot-key as the left Ctrl key then double click the Scroll Lock the left Ctrl → Enter then the hot-key change to the left Ctrl .

Double click the right Ctrl → Num lock → Enter	Hotkey change to Num lock
Double click the right Ctrl → left Ctrl → Enter	Hotkey change to the left Ctrl
Double click the righ t Ctrl → Scroll Lock → Enter	Hotkey change to Scroll Lock
If the hotkey is changed to Scroll Lock You want to change it to the left Ctrl Then double click Scroll Lock +the left Ctrl + Enter	

◆ **Keyboard hot-key Operation**

Press the right Ctrl twice → N → Enter	The KVM can switch to the device you choose.
Press the right Ctrl twice → S → Enter	Turn on/off the auto-scan function, or you can press the s can button on front panel
Press the right Ctrl twice → Enter → S → N → Enter	Set the scan interval Can set to 8-999 seconds The syste m defaults to 8 seconds
Press the right Ctrl twice → B → Enter	Turn on/off the beeping sound
Press the right Ctrl twice → T → Enter	Turn on/off the detection function (default is off)
Press the right Ctrl → twice R → Enter	Reset the KVM System to solve the keyboard and mouse freeze.
Press the righ t Ctrl twice → TAB → Enter	Restore the hotkey to the default — right Ctrl
Press the righ t Ctrl twice → ESC → Enter → ESC ESC	Reset factory setting for KVM switch to solve the problem of keyboard and mouse

Notes:

1. The n stands for the computer's Port number (1, 2, 3, …… 16) or Number 8 to 999.
2. When the auto scan function is activated,you can press the any key on the panel,the auto scan function turns off automatically.
3. If the computer enters into sleep mode .You must to press the compter's power button to wake it up.we recommend the users do not set the computers enter sleep mode.

◆ **Box Contents**

- 1 x KVM Switch
- Full set of USB 3.0 cables
- Full set of HDMI cables (cables for monitors are not included)
- Power adapter, Wired remote, IR remote

- User manual in English

♦ Troubleshooting

Q1. Why can I not get extended displays, or does only one monitor work?

1. Make sure your computer supports dual display, verify this by connecting two monitors to your computers directly.
2. Make sure you set your computer as an extended display. (Window key + P , then choose extended)
3. Make sure each computer has 2 video connections to the correspondent IN A & B port (using reliable adapters if needed).

Q2: Monitors do not display, or images show improperly:

1. Check if the cables are connected well or swap them to see if they are a cable problem.
2. Avoid using adapters on both the computer and monitor sides for the same video chain.
3. Check if the resolution settings align with the described supported resolution.
4. Try a lower resolution and refresh rate.
5. If it works well for some time and then stops working, try pressing the right Ctrl key twice + ESC key three times, then Enter to reset the KVM, make sure the hotkey is on, and the keyboard is plugged in the USB keyboard port when doing so.

Q3: Keyboard and/or mouse do not work.

1. Make sure the included USB cable is well connected to the computers and the other end of the USB is plugged into the correspondent USB (Type B) port on the KVM, and KVM is powered on.
2. If the keyboard and mouse stop working after a period of time, press the right Ctrl twice + ESC three times, then Enter to restore the hotkey to the factory setting.
3. Refer to Q4 for special keyboards and mice like gaming, multi-media, and mechanical type.

Q4. My gaming mouse or mechanical keyboard functions are not working. What shall I do?
Some special keyboards and mice may not work properly from the designated rear USB ports; if so, please try the following:

1. Plug your keyboard or mouse into USB 3.0 HUB ports.
2. Or turn off the hotkey function by pressing the hotkey on/off key on the front panel, then the dedicated USB keyboard and mouse ports will be changed to standard USB3.0 ports; plug the wired remote switcher into KVM and use it to switch between computers

Q5. How can I turn off the beep sound?
You can press the right Ctrl twice → B → Enter to turn the beep on/off. Try another generic keyboard if your keyboard does not work with the hotkey.

Q6. How Can I deactivate the mouse-switching function?

1. plug your mouse into one of the USB3.0 Hub Ports
2. Or turn off the mouse hotkey by pressing the right Ctrl   twice →   M , then Enter .

Q7. I have other issues which are not listed above:
Don't hesitate to contact the seller for the needed support. We will reply within 12 hours during business days.

Documents / Resources

User Manual 6/8/16 Port HDMI2.0 KVM Switches 	**JideTech 9116H-CA1 HDMI USB KVM Switch** [pdf] User Manual 9116H-CA1, B09NGGJCGC, B0CMWNZ8DF, B09P64YJSB, B0CMWRYC54, B01H1Q2V2K, B 0825SK6RP, 9116H-CA1 HDMI USB KVM Switch, HDMI USB KVM Switch, USB KVM Switch, KVM Switch, Switch

References

- **User Manual**