

 **FS**  
**Switch 8-  
Port Cat5  
1U Rack-  
Mount KVM  
Over IP  
Switch**



# FS KVM Switch 8-Port Cat5 1U Rack-Mount KVM Over IP Switch User Guide

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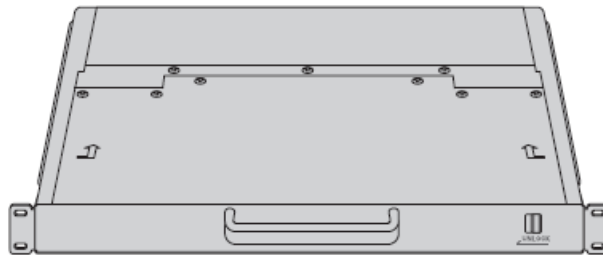


**FS KVM Switch 8-Port Cat5 1U Rack-Mount KVM Over IP Switch**

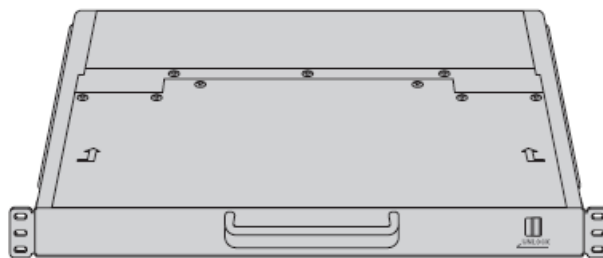


## Introduction

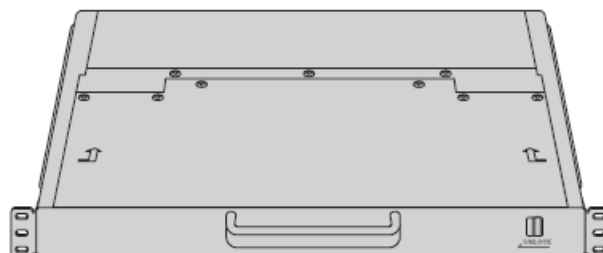
Thank you for choosing the KVM Switches. This guide is designed to familiarize you with the layout of the switches and describes how to deploy them in your network.



KVM-080119/KVM-160119



KVM-080217IP/KVM-160217IP



KVM-080219IP/KVM-160217IP

## Accessories

KVM-080217IP/KVM-160217IP/KVM-080219IP/KVM-160219IP



Power Cord x1



Cat5e Patch Cable x1



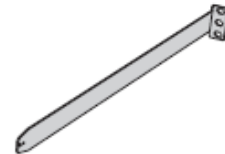
RJ45 to VGA Interface Module x8/16



USB Flash Disk x1



Grounding Cable x1

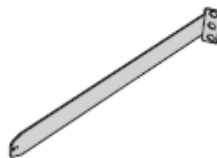


Rear Mounting Bracket x2

KVM-080119/KVM-160119



Power Cord x1



Rear Mounting Bracket x2



KVM Cable x8/16

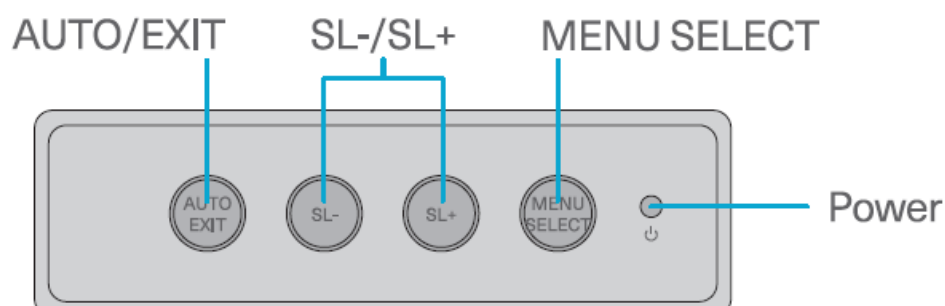
## NOTE:

1. The number of RJ45 to VGA Interface Modules for KVM-080217IP/KVM-080219IP is 8, and that of KVM-160217IP/KVM-160219IP is 16.
2. The number of KVM cables for KVM-080119 is 8, and that of KVM-160119 is 16.
3. The accessories may vary from illustration, please prevail in kind.

**NOTE:** This power cord cannot be used with other devices, and other power cords should not be used with this device.

## Hardware Overview

### LED OSD Controls

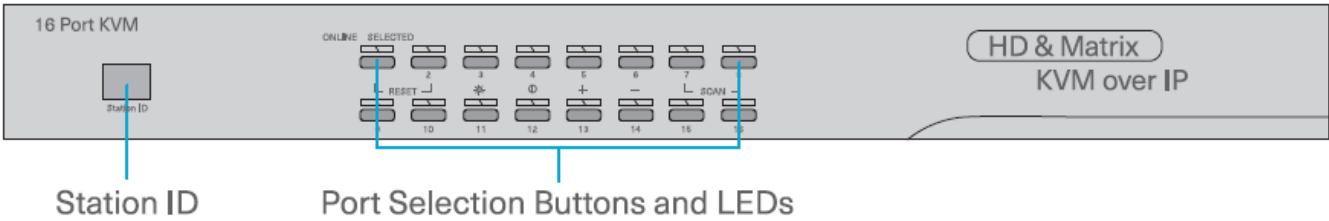


Button	Description
<b>AUTO/EXIT</b>	current menu and return to the previous menu or exit the LED OSD, or enter the automatic configuration.
<b>SL-/SL+</b>	Press to move your menu and make the corresponding adjustment.
<b>MENU SELECT</b>	Press to invoke the menu function and open the main menu.

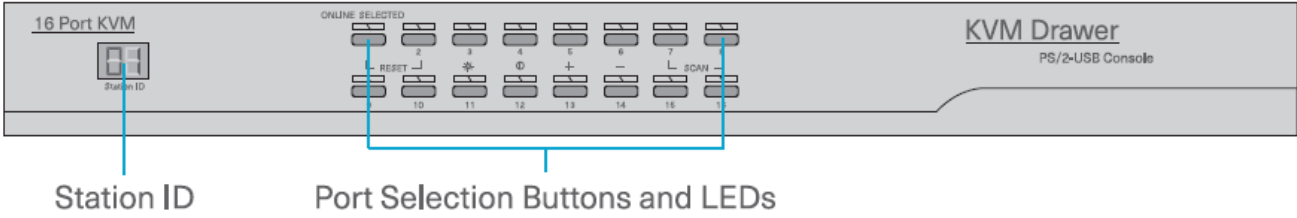
LED	State	Description
<b>Power</b>	Green	on.
	Red	Power off or access the non-standard VESA signal.
	Blinking Green	The KVM is in energy-saving mode or there is no signal.

Port Selection Panel




KVM-080217IP/KVM-160217IP/KVM-080219IP/KVM-160219IP



KVM-080119/KVM-160119

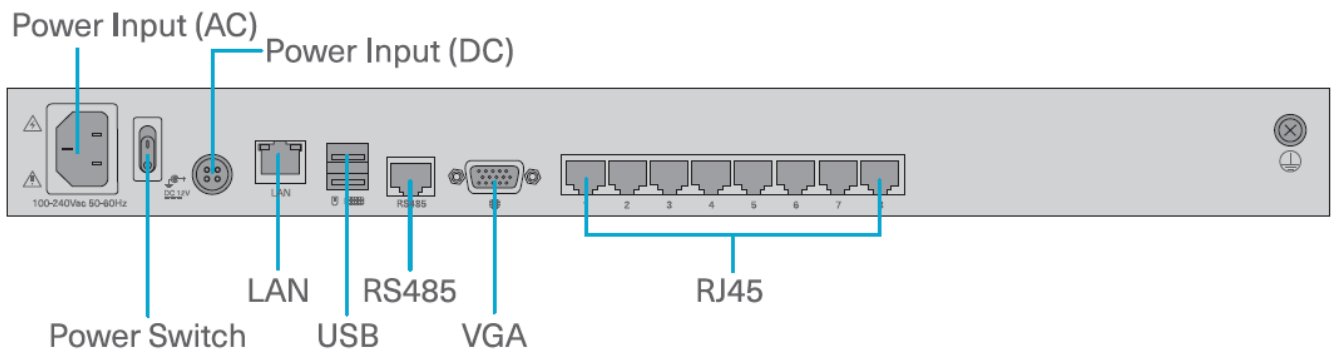


Name	Components		Description
		1~8/16	port 1 to port 8/16.
		Reset	Press [1] and [2] at the same time for three seconds to reset the keyboard and mouse.
		Scan	Press [7] and [8] at the same time for three seconds to enter the auto scan mode.

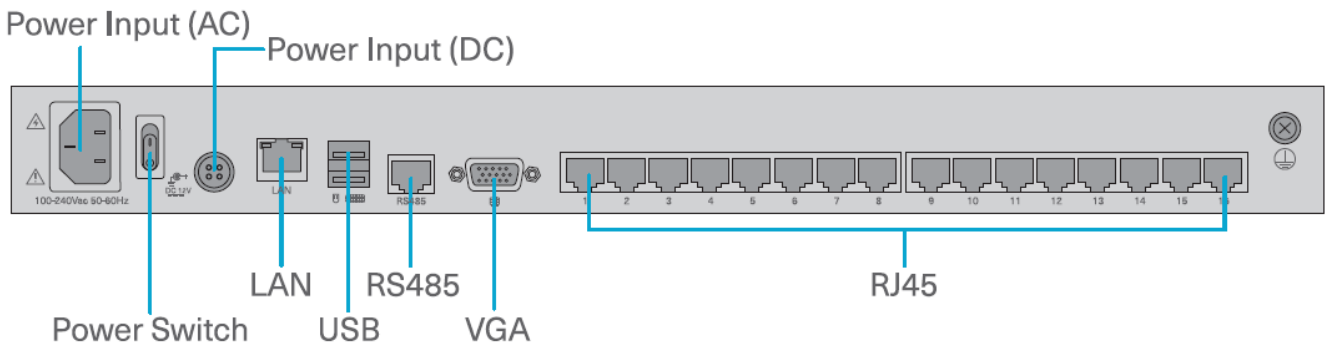
<b>Port Selection Buttons</b>	KVM-080217IP/ KVM-160217IP/ KVM-080219IP/ KVM-160219IP	Brightness 	<ul style="list-style-type: none"> <li>• Press [3] for three seconds to enter the brightness adjusting mode.</li> <li>• 33 are flashing on the LED tube.</li> <li>• Then press [5] or [6] to adjust.</li> <li>• Press [3] to exit or wait for five seconds and it will auto-exit.</li> </ul>
		Definition 	<ul style="list-style-type: none"> <li>• Press [4] for three seconds to enter the definition adjusting mode.</li> <li>• 44 are flashing on the LED tube.</li> <li>• Then press [5] or [6] to adjust.</li> <li>• Press [4] to exit or wait for five seconds and it will auto-exit.</li> </ul>
		Initialize 	Press [6] for three seconds to initialize the brightness and definition of each port.
	KVM-080119/ KVM-160119	1~8/16	<ul style="list-style-type: none"> <li>• Switch freely from port 1 to port 8/16.</li> <li>• Press [1] and [2] at the same time to reset the KVM.</li> <li>• Press [7] and [8] at the same time to switch to the next stage level.</li> </ul>
<b>LEDs</b>			<p>Indicator LEDs are built into the switches, the online LED light is on the left and the selected LED light is on the right.</p> <ul style="list-style-type: none"> <li>• An online LED light (green) indicates that the KVM has been connected to its corresponding computer and powered on.</li> <li>• A selected LED light (orange) indicates that the computer attached to its corresponding port is up and running.</li> </ul>
<b>Station ID</b>	/		Display the current port.

## Back Panel Ports

KVM-080217IP/KVM-080219IP

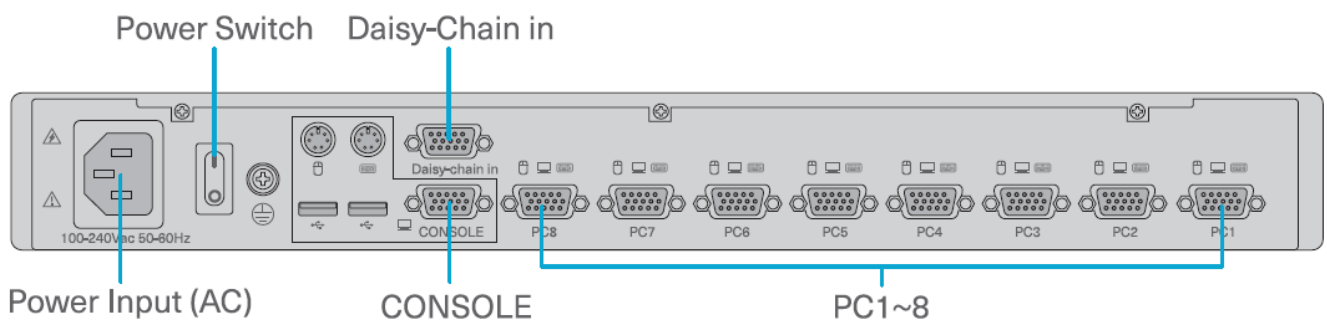


KVM-160217IP/KVM-160219IP

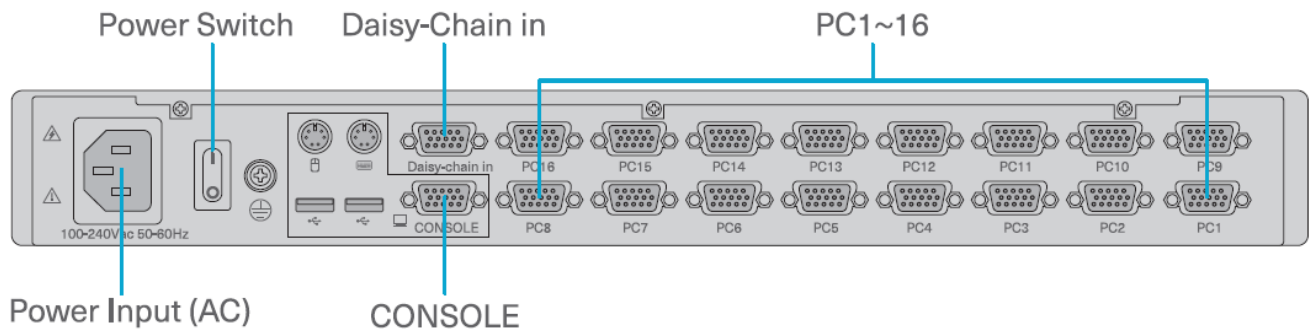


Ports	Description
Power Input (AC)	for the AC power cord
<b>Power Switch</b>	Turn on/off the power
<b>Power Input (DC)</b>	A power input port for the DC power cord
<b>LAN</b>	Connect to the remote computer for remote control
<b>USB</b>	Connect to the external keyboard, mouse and monitor for local control
<b>VGA</b>	
<b>RS485</b>	Reserved port for a hardware upgrade
<b>RJ45</b>	Connect to the computer or the server

KVM-080119



KVM-160119



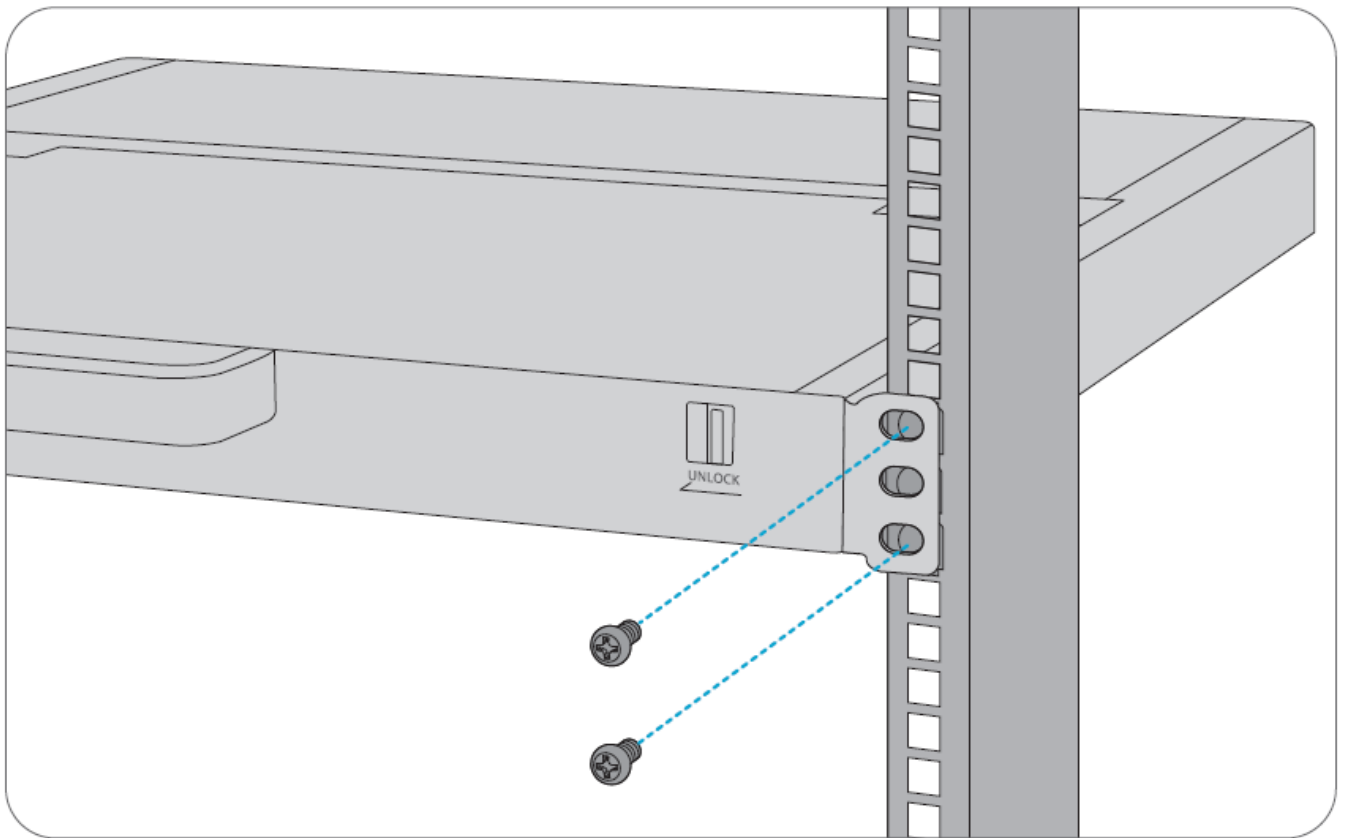
Ports	Description
(AC)	for the AC power cord
Power Switch	Turn on/off the power
CONSOLE	Connect to a monitor, USB or PS/2 keyboard and mouse
Daisy-chain in	Connect to a daisy chaining cable
PC1~8/16	Connect to a mouse, keyboard, and VGA port

## Installation Requirements

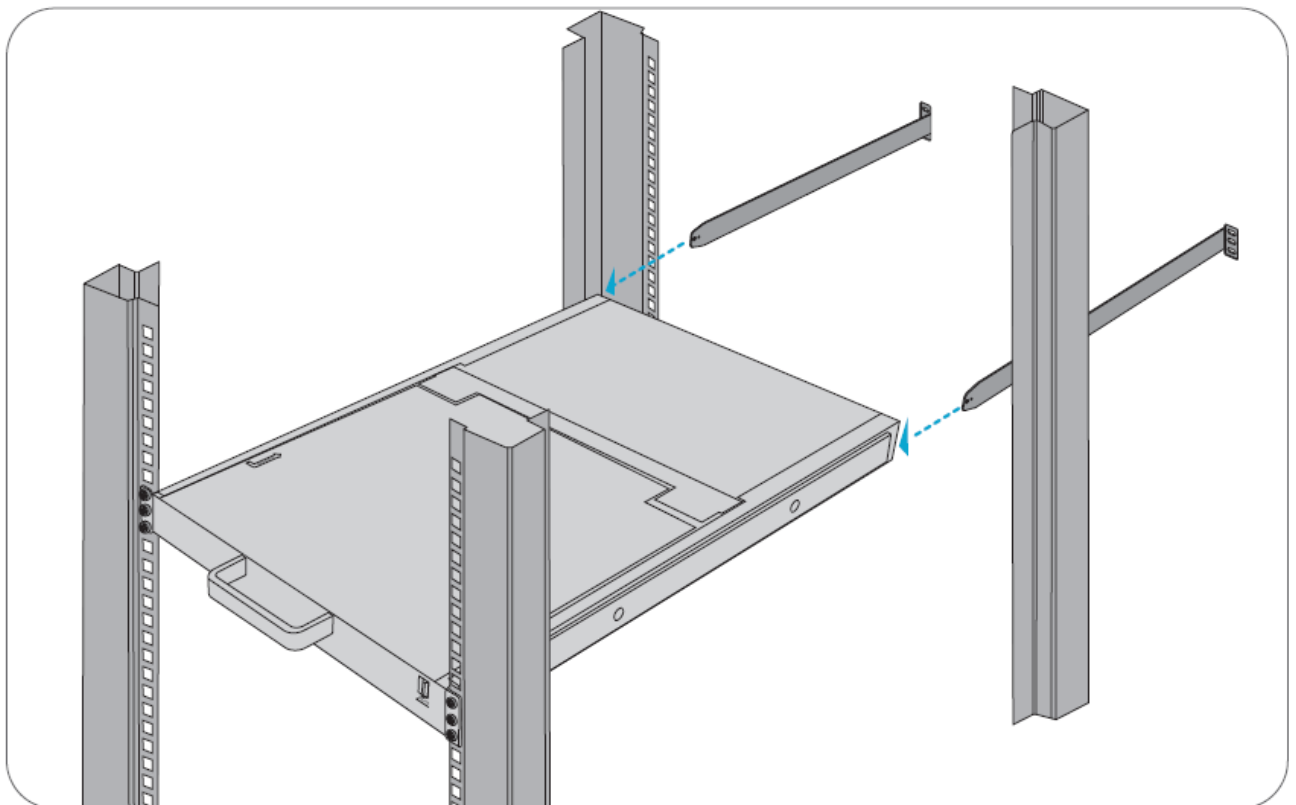
- Do not operate it in an area that exceeds an ambient temperature of 40°C (for KVM-080217IP/KVM-160217IP)/50°C (for KVM-080219IP/KVM-160219IP/ KVM-080119/KVM-160119).
- Do not operate it near heat sources.
- The installation site should be well-ventilated.
- Make sure that the KVM switch is level and stable to avoid any hazardous conditions.
- Do not install the equipment in a dusty environment.
- The installation site must be free from leaking or dripping water, heavy dew, and humidity.

## Mounting the KVM Switch

### Rack Mounting



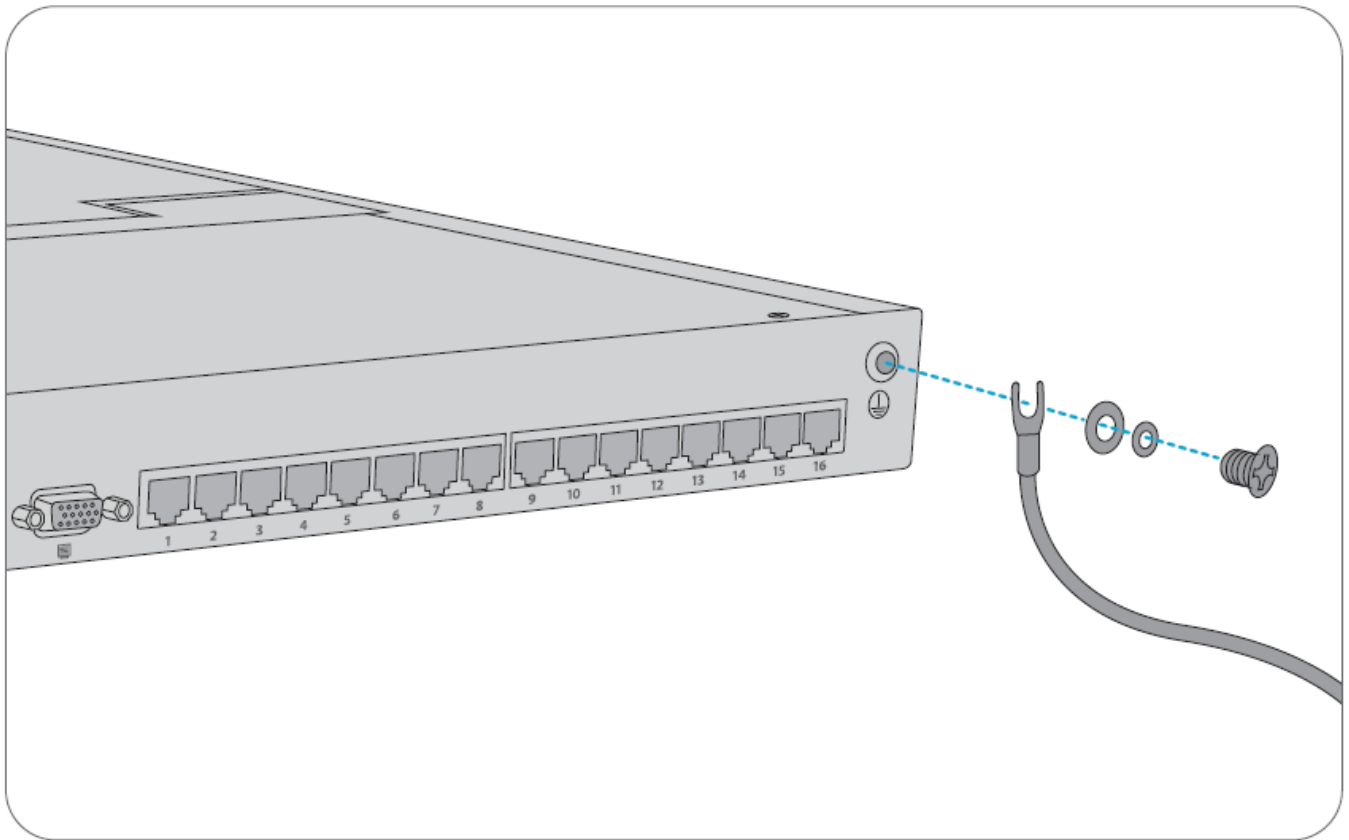
1. Secure the KVM switch to the rack with screws and cage nuts.



2. Slide the rear mounting brackets into the switch's side mounting brackets from the back to the front, then screw the rear mounting brackets to the rack.

### Grounding the Switch

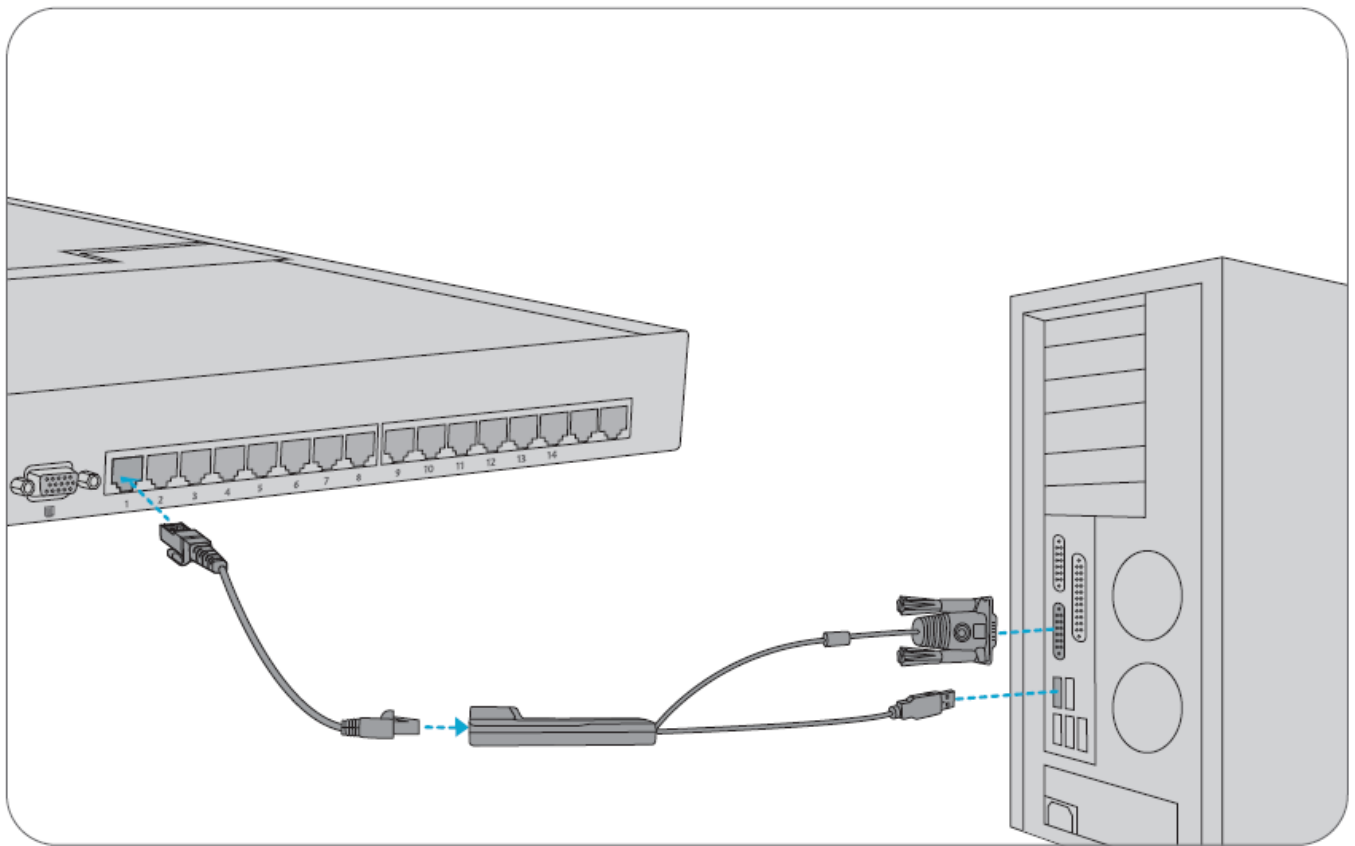




1. Connect one end of the grounding wire to a proper earth ground, such as the rack in which the KVM switch is mounted.
2. Secure the grounding lug to the grounding point on the KVM switch with the washers and the screw.

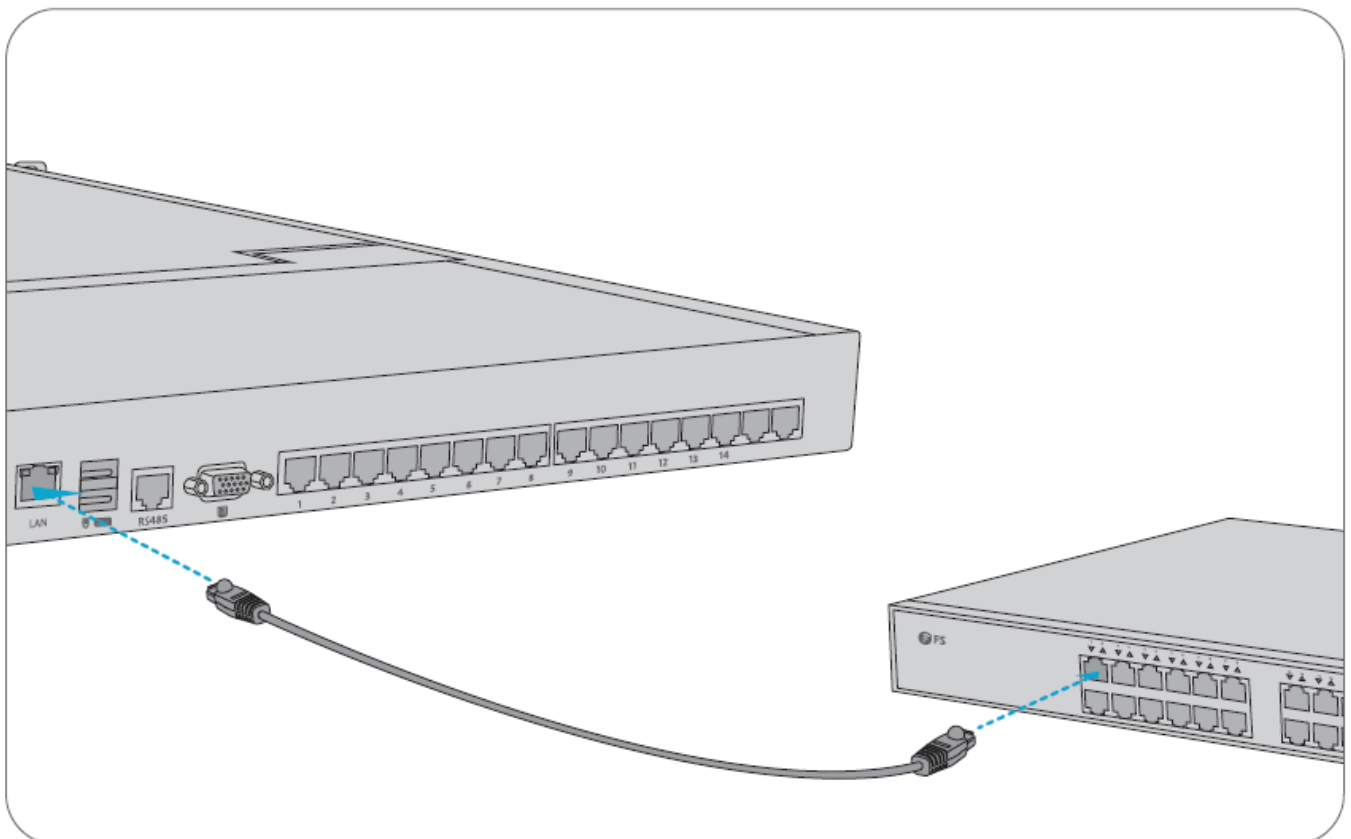
## **Connection to device**

### **Connecting to the RJ45 Ports**



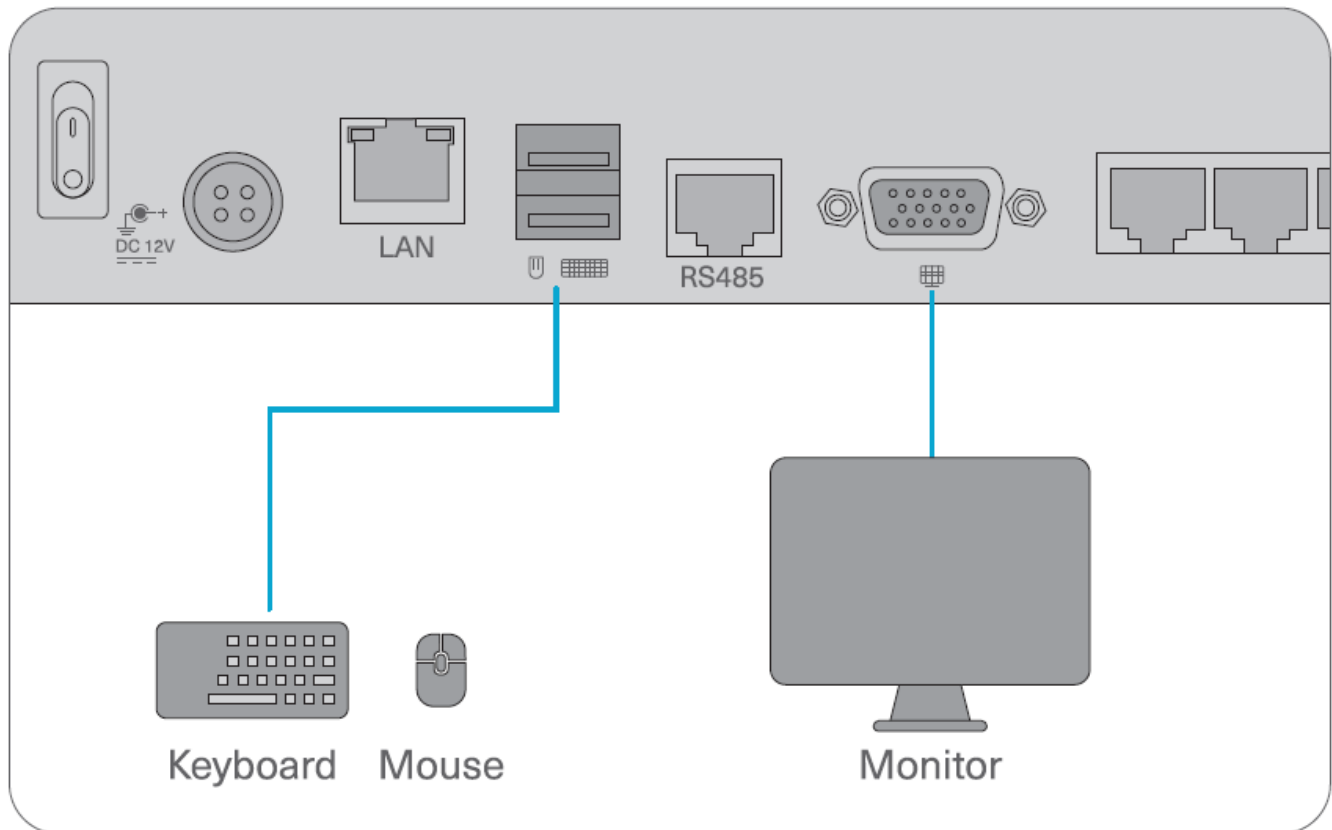
1. Connect an Ethernet cable to the RJ45 port of the KVM switch.
2. Connect the other end of the Ethernet cable to the RJ45 port of the supplied RJ45 to the VGA interface module and then connect the VGA port of the module to a server or computer.

### Connecting to the LAN Port



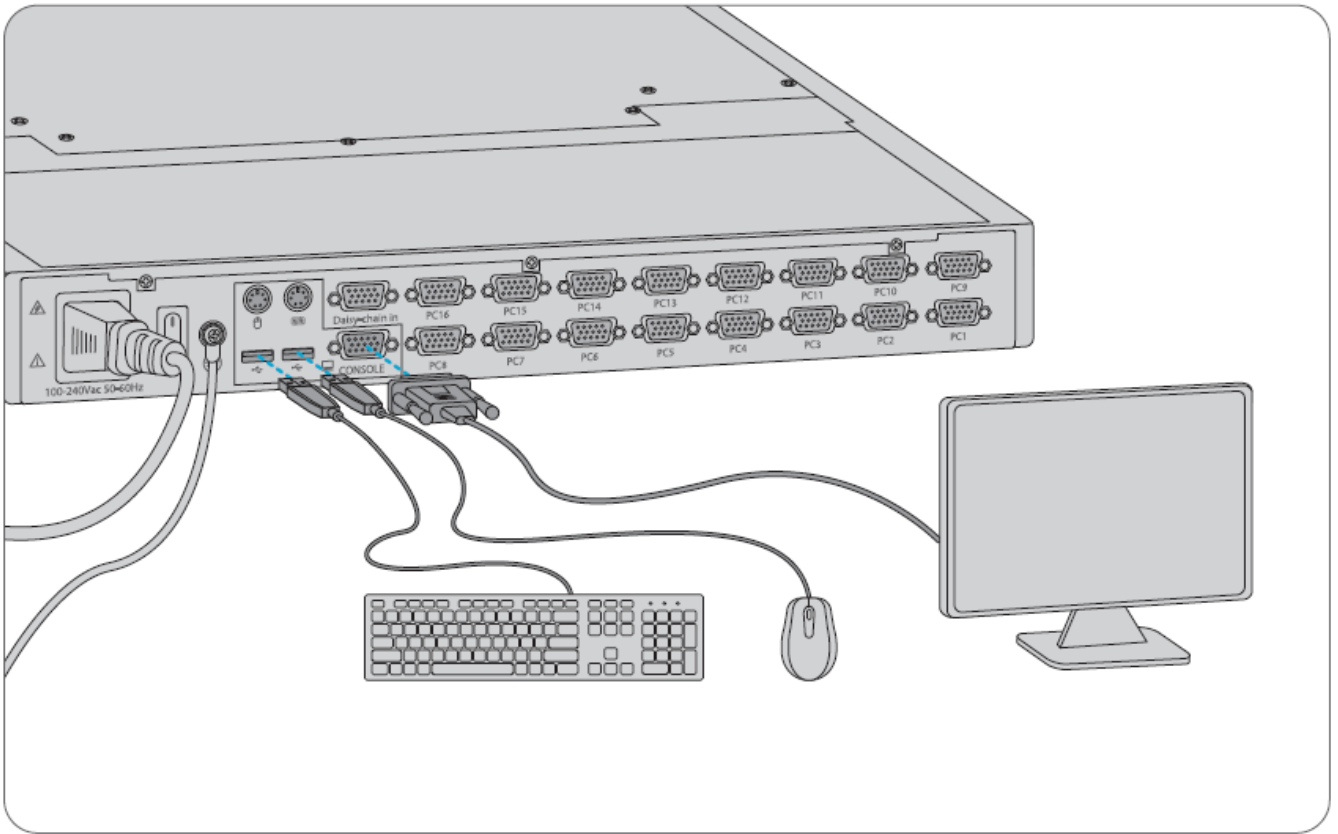
1. Connect an Ethernet cable to the RJ45 port of a server or computer.
2. Connect the other end of the Ethernet cable to the LAN port of the switch.

### Connecting to VGA and USB Ports



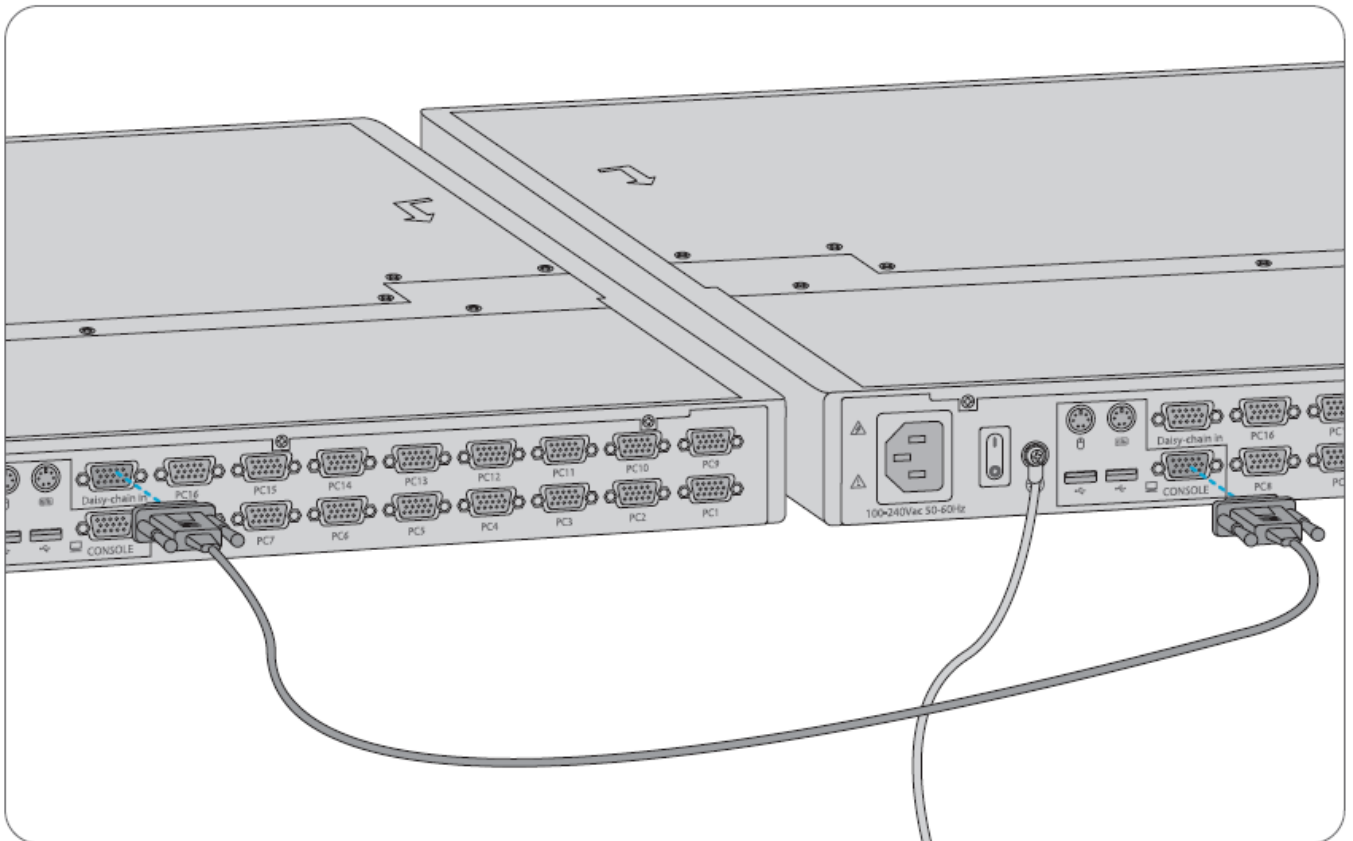
Connect the KVM to the external keyboard, mouse and monitor (optional).

### Connecting to the Console Ports



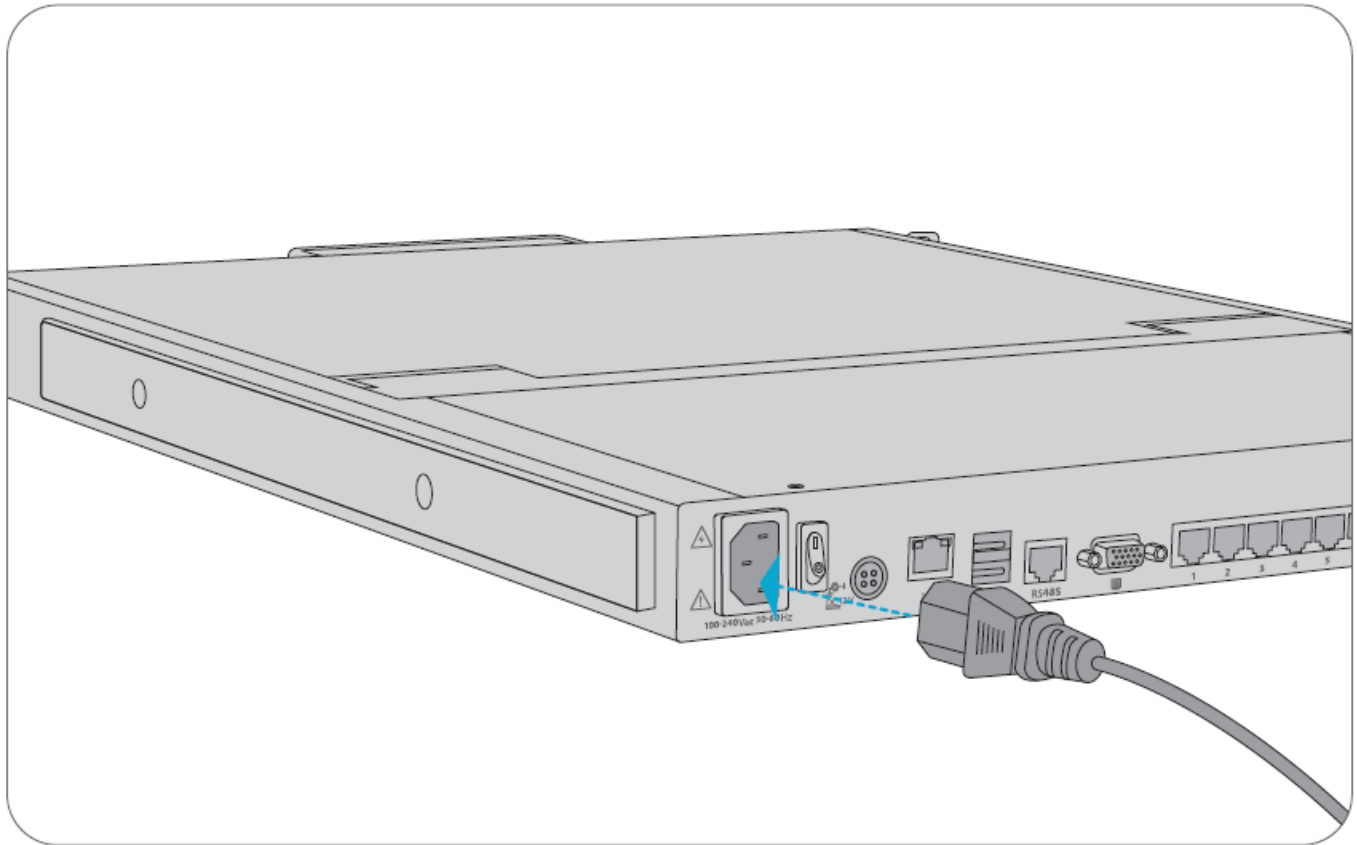
Connect the monitor, USB or PS/2 keyboard and mouse to the console ports on the KVM switch (optional).

### Connecting to the Cascade Port



1. Plug the yellow port of a daisy chaining cable into the yellow "Daisy-chain in" DB 15 port on the KVM switch.
2. Plug the other blue port of the daisy chaining cable into the blue "CONSOLE" DB 15 port on the KVM switch.

## Connecting the Power

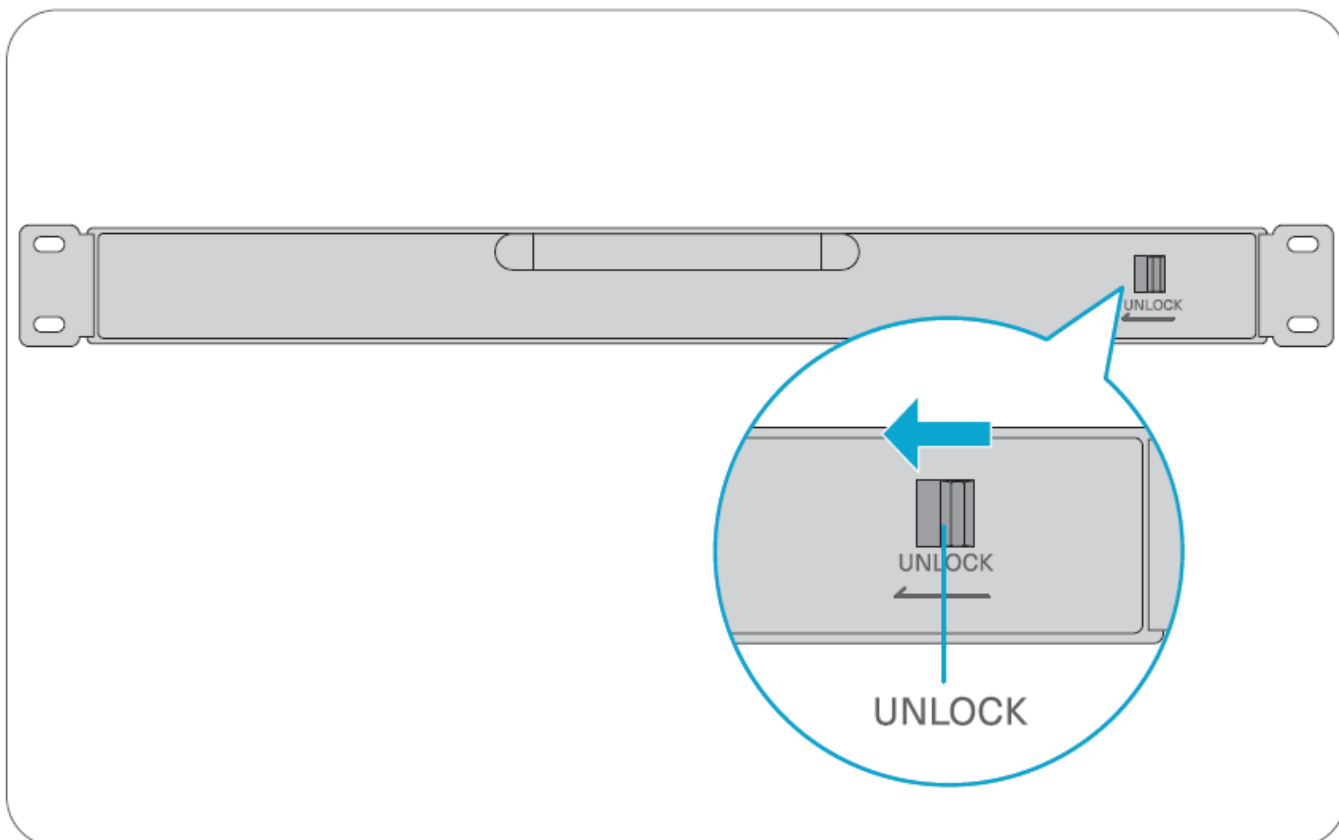


1. Plug the AC power cord into the power port on the KVM switch.
2. Connect the other end of the power cord to an AC power source.

**WARNING:** Do not install the power cord while the power is on.

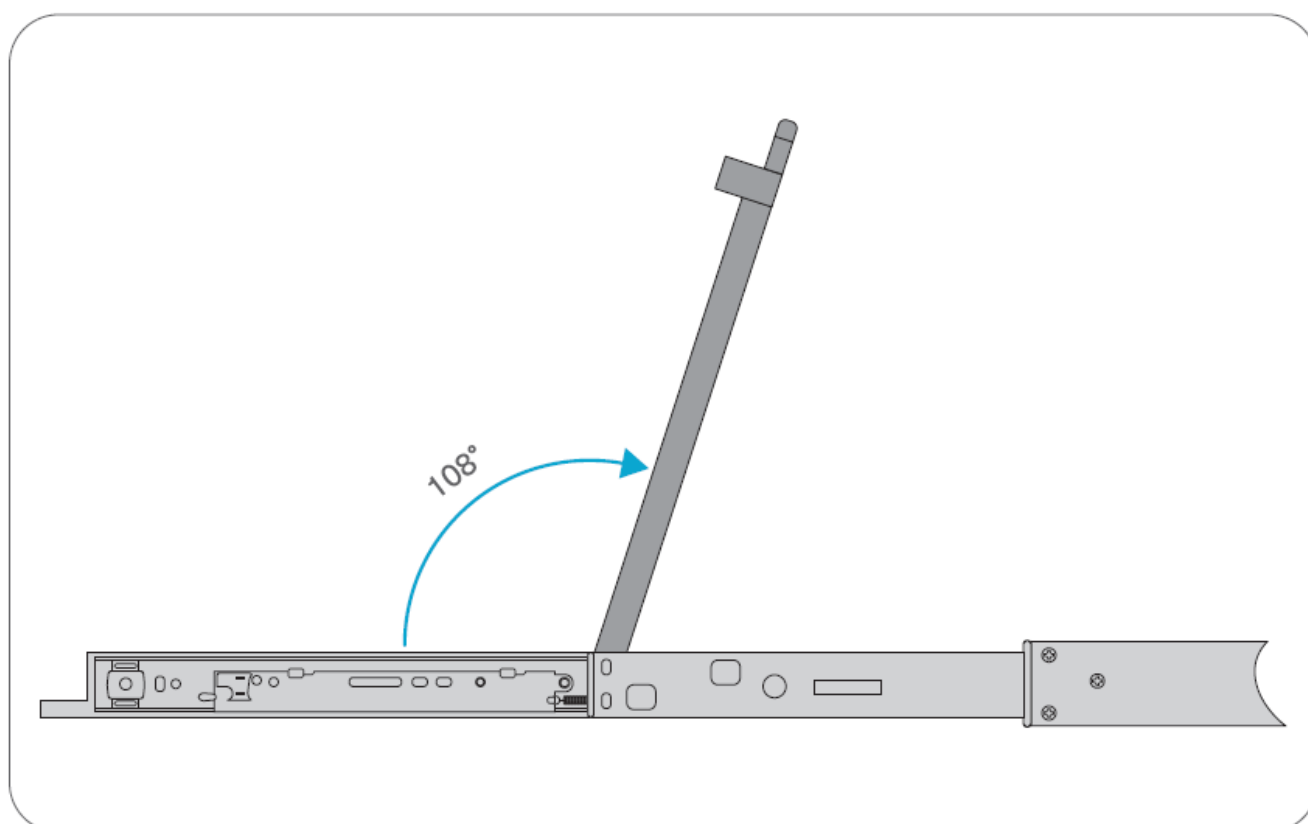
## Opening & Closing the Console

### Opening the Console



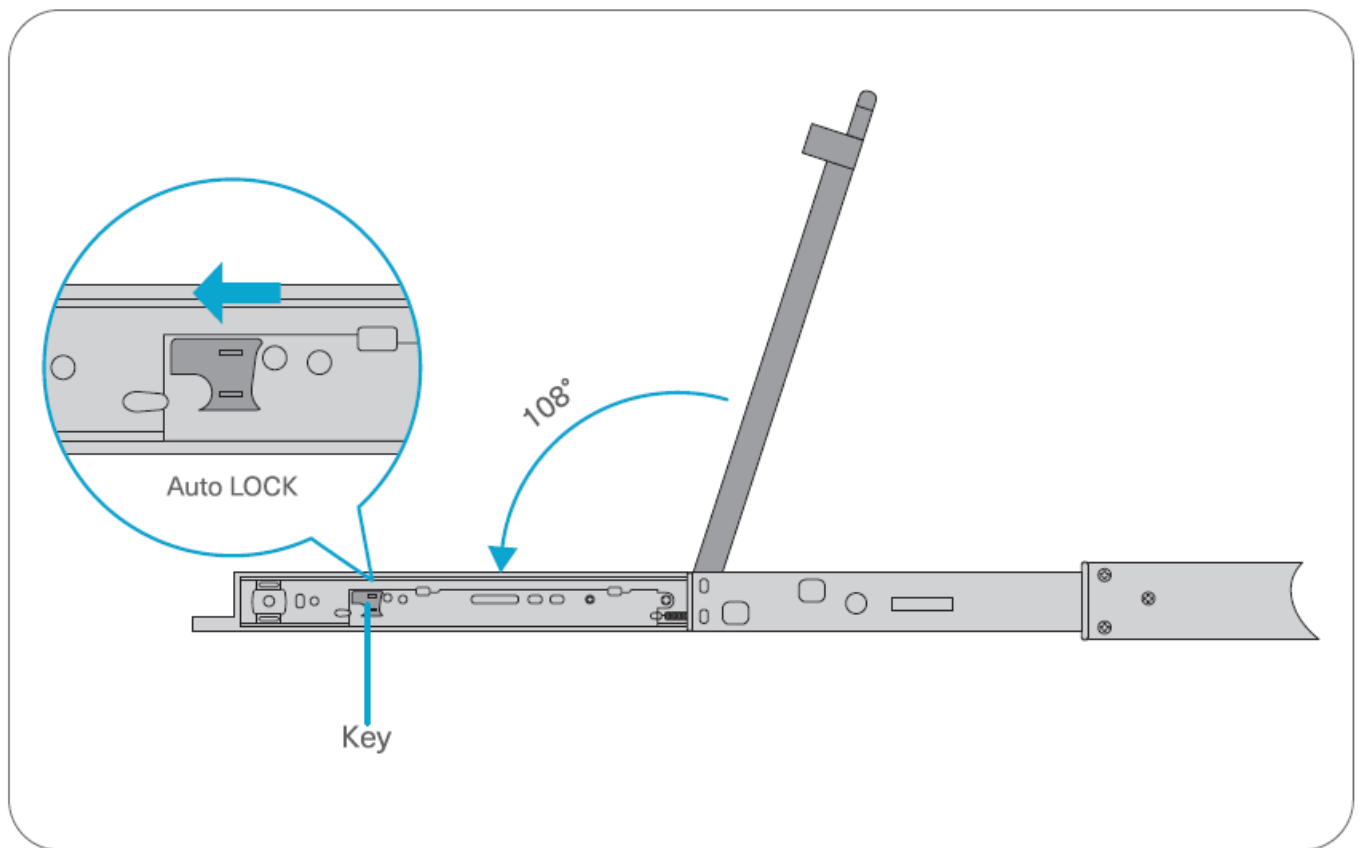
1. Unlock the release catch.

**NOTE:** The release catch is locked horizontally, and it can't bear any load.



2. Pull the LED panel all the way out until it clicks into place.
3. Open the LED panel to display the LED screen. The LED panel can be rotated up to 108°.

### Closing the Console



1. Close the LED panel and the power automatically turns off.
2. Push the LED panel in until it automatically locks up.

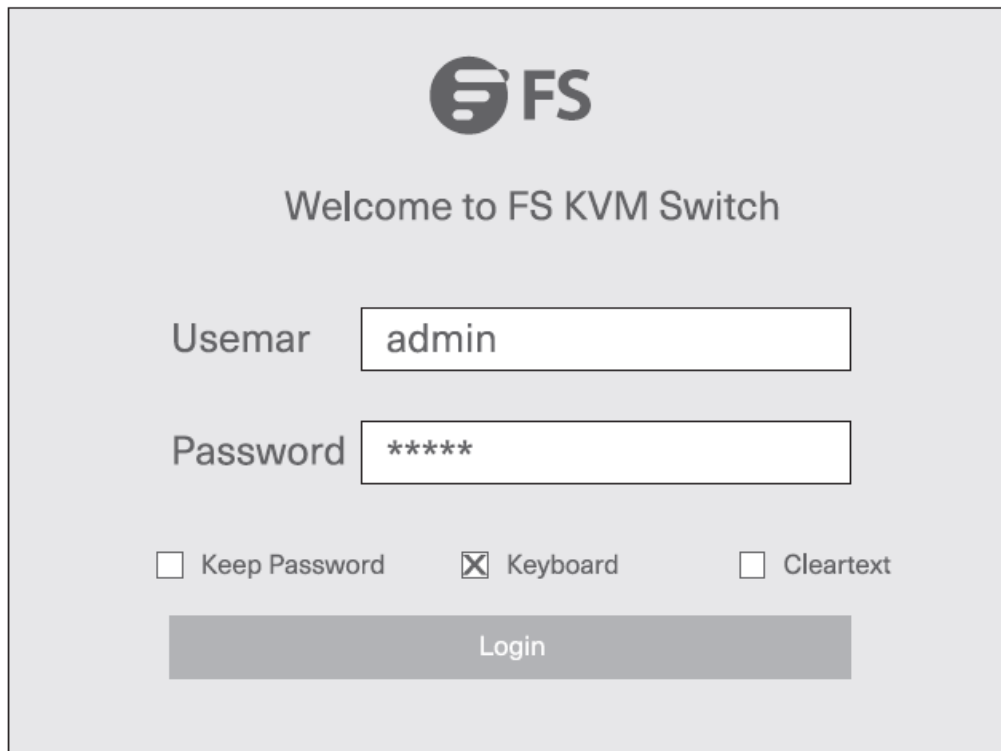
## Local Control

KVM-080217IP/KVM-160217IP/KVM-080219IP/KVM-160219IP can be set with their keyboards and LED screens; KVM-080119 and KVM-160119 can be set with their own keyboard and LED screen, as well as the external keyboard, mouse and monitor connected to the console ports of the KVM switch.

- **Step 1:** Release the lock, pull the KVM console from the server rack and open the screen.
- **Step 2:** There will be two “beeps” after the KVM is powered on. The ONLINE LEDs on the front panel keep green flashing and an UI window appears for you to input the username and password.

**Username:** admin

**Password:** admin



The image shows a login interface for an FS KVM Switch. At the top is the FS logo, which consists of a stylized 'F' inside a circle followed by the letters 'FS'. Below the logo is the text 'Welcome to FS KVM Switch'. There are two input fields: 'Usermar' with the value 'admin' and 'Password' with the value '\*\*\*\*\*'. Below these fields are three checkboxes: 'Keep Password' (unchecked), 'Keyboard' (checked), and 'Cleartext' (unchecked). At the bottom is a grey 'Login' button.

## Remote Control

KVM-080217IP/KVM-160217IP/KVM-080219IP/KVM-160219IP

### NOTE

1. Since Win11 disables Internet Explorer, the series is only available for Win 1 O and the previous versions.
2. You can choose to purchase KVM-IPC for remote access in Win11 or other operating systems, for the product is not restricted by the operating system or browser.

- **Step 1:** The remote control setting is worked through the computer connected to the LAN port of the KVM back panel.
- **Step 2:** Open the IE browser, and click top-right settings-> [Internet Options].
- **Step 3:** Click [Security]-> [Custom Level].
- **Step 4:** Find [ActiveX controls and plug ins], and choose [Enable].
- **Step 5:** Click [Advanced], find [Allow software to run or install even if the signature is invalid] and select it.
- **Step 6:** If you want to set another IP address, please enter Local [System Setting]-> [Network Setting].

**NOTE:** Please remember the IP address for the remote control.

- **Step 7:** Open an explorer, enter 192.168.1.167 and the interface shows below:

**Username:** admin

**Password:** admin



The image shows a login interface for the FS KVM Switch. At the top, there is the FS logo and the text "Welcome to FS KVM Switch". Below this, there are two input fields. The first field has a user icon and the text "admin". The second field has a lock icon and the text "\*\*\*\*\*". To the right of the second field, there is a language selector showing "English" with a dropdown arrow. At the bottom, there is a large "Sign in" button.

After logging in for the first time, a prompt for “loading the ActiveX” will appear below the browser. Click “Allow” to bring up the “Download Video Plug in” dialog box. Click “OK” to use the video plug in.

**NOTE:** For security, please change the password after the first login. Passwords are case-sensitive.

## Product Warranty

- **Warranty:** KVM Switches enjoy a 2-year limited warranty against defects in materials or workmanship. For more details about the warranty, please check at <https://www.fs.com/policies/warranty.html>
- **Return:** If you want to return the item(s), information on how to return can be found at [https://www.fs.com/policies/day\\_return\\_policy.html](https://www.fs.com/policies/day_return_policy.html)

## Online Resources

For additional technical documents, visit: [https://www.fs.com/technical\\_documents.html](https://www.fs.com/technical_documents.html)



**Download the FS App**



Scan the QR code to download and install the FS app from the App Store or Google Play Store or go to <https://www.fs.com/appdownload.html>



## Compliance Information

### FCC

#### KVM-080219IP/KVM-160219IP

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

#### KVM-080119/KVM-160119

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

### **Equipment Grounding Warning**

KVM-080219IP/KVM-160219IP/KVM-080119/KVM-160119

- This equipment must be grounded. To reduce the risk of electric shock, never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor.
- Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.
- A power cord connected to a socket-outlet with earthing connection.

### **CE**

KVM-080219IP/KVM-160219IP

**Warning:** This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

[FS.COM](#) GmbH hereby declares that this device is in compliance with the Directive

2014/30/EU, 2014/35/EU, 2011 /65/EU and (EU)2015/863. A copy of the EU Declaration of Conformity is available at [www.fs.com/company/quality\\_control.html](http://www.fs.com/company/quality_control.html).

[FS.COM](#) GmbH

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### **UKCA**

KVM-080219IP/KVM-160219IP/KVM-080119/KVM-160119

Hereby, [FS.COM](#) Innovation Ltd declares that this device is in compliance with the Directive SI 2016 No. 1091, SI 2016 No. 1101 and SI 2012 NO. 3032.

[FS.COM](#) INNOVATION LTD

Unit 8, Urban Express Park, Union Way, Aston, Birmingham, B6 7FH, United Kingdom

### **ISED**

**KVM-080219IP/KVM-160219IP**

### **CAN ICES-003(A)/NMB-003(A)**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

The digital apparatus complies with Canadian CAN ICES-003(A)/NMB-003(A).

### **Waste Electrical and Electronic Equipment (WEEE)**

**KVM-080217IP/KVM-160217IP/KVM-080219IP/KVM-160219IP/KVM-080119/KVM-160119**

This appliance is labelled in accordance with European Directive 2012/19/EU concerning waste electrical and electronic equipment (WEEE). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that

the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

**Lithium Battery Caution**


**KVM-080219IP/KVM-160219IP**

- There is a danger of explosion if a battery is incorrectly replaced. Replace only with the same or equivalent type. Dispose batteries of according to the manufacturer’s instructions.
- Disposing a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion.
- Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion.
- If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion.
- Installation should be done only by a trained electrician who knows all installation procedures and device specifications.
- Do not ingest battery. Chemical burn hazard. This product contains a coin/ button cell battery.
- If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries could have been swallowed or placed inside any part of the body, seek immediate medical attention.

(Q.C.PASSED)

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**Documents / Resources**

 <p>KVM SWITCHES KVM-080219IP KVM-160219IP KVM-080219IP KVM-160219IP KVM-080219IP KVM-160219IP</p>	<p><a href="#">FS KVM Switch 8-Port Cat5 1U Rack-Mount KVM Over IP Switch</a> [pdf] User Guide KVM Switch 8-Port Cat5 1U Rack-Mount KVM Over IP Switch, KVM Switch, 8-Port Cat5 1U Rack-Mount KVM Over IP Switch, Rack-Mount KVM Over IP Switch, KVM Over IP Switch, IP Switch, Switch</p>
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**References**

- [User Manual](#)