

# **RKS-G4028/ RKS-4028-L3 Series Quick Installation Guide**

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**Version 1.5, November 2024**

**Technical Support Contact Information**  
**[www.moxa.com/support](http://www.moxa.com/support)**



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**P/N: 180204000045**



## Package Checklist

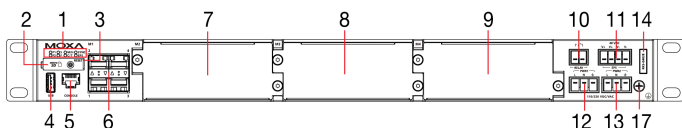
The Moxa RKS-G4028/RKS-G4028-L3 industrial rackmount switch is shipped with the following items. If any of these items are missing or damaged, please contact your customer service representative for assistance.

- RKS-G4028/RKS-G4028-L3 switch
- 4 protective caps for unused SFP ports (only for RKS-G4028-GS models)
- 2 rackmount ears
- 8 round stickers for module screws
- Quick installation guide (printed)
- Warranty card

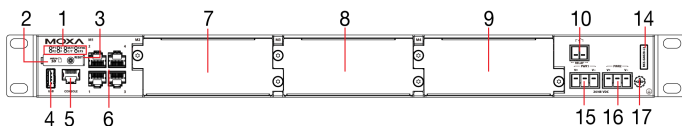
## Panel Layouts

### Front View

#### RKS-G4028-4GS Series



#### RKS-G4028-4GT Series



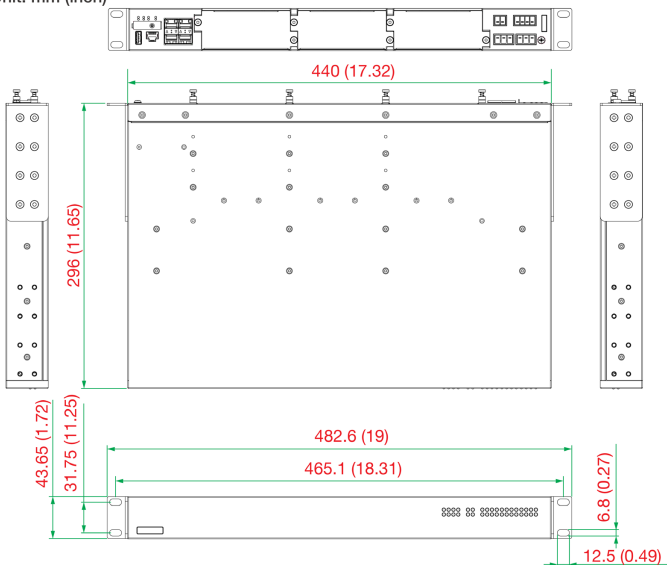
### Rear View



- |  |                                       |
|--|---------------------------------------|
| 1. System status LEDs                  | 12. Power input 1 for 110/220 VDC/VAC |
| 2. microSD card socket cover           | 13. Power input 2 for 110/220 VDC/VAC |
| 3. Reset button                        | 14. Model name                        |
| 4. USB host (type A)                   | 15. Power input 1 for 24/48 VDC       |
| 5. Console port (RS-232, RJ45)         | 16. Power input 2 for 24/48 VDC       |
| 6. Module 1                            | 17. Grounding connector screw         |
| 7. Module 2 socket                     | 18. System status LEDs                |
| 8. Module 3 socket                     | 19. Module 1 status LEDs              |
| 9. Module 4 socket                     | 20. Module 2 status LEDs              |
| 10. Relay output                       | 21. Module 3 status LEDs              |
| 11. EPS (external power supply) inputs | 22. Module 4 status LEDs              |

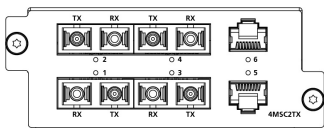
# Dimensions

Unit: mm (inch)

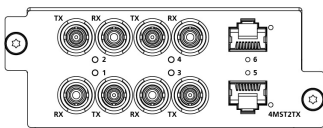


## RM-G4000 Ethernet Interface Modules

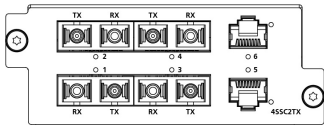
**4MSC2TX**



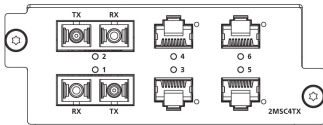
**4MST2TX**



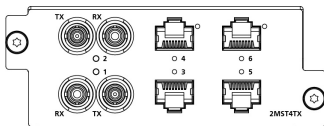
**4SSC2TX**



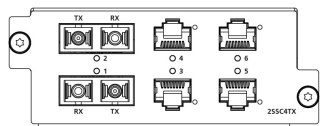
**2MNSC4TX**



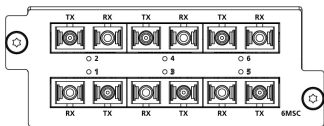
**2MST4TX**



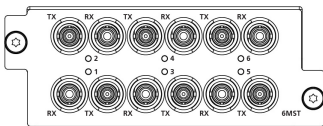
**2SSC4TX**



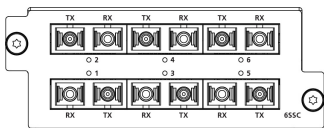
**6MSC**



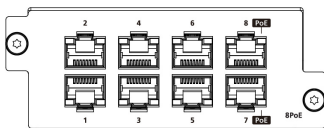
**6MST**



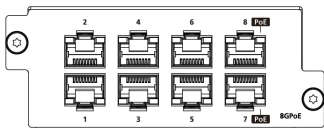
### 6SSC



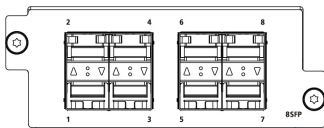
### 8PoE



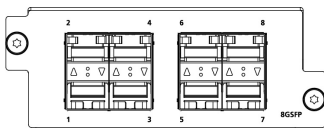
### 8GPoE



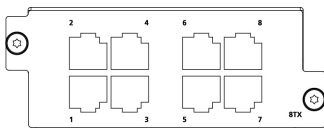
### 8SFP



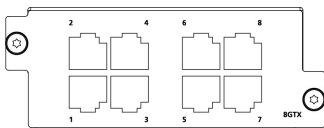
### 8GSFP



### 8TX



### 8GTX



## WARNING

When end users are using Optical SFP Communications modules, they must be limited to Laser Class 1.



## WARNING

Use of the controls or adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

**CLASS 1 LASER PRODUCT**

## Grounding the Moxa Industrial Rackmount Switch

Grounding and wire routing help limit the effects of noise due to electromagnetic interference (EMI). Run the ground connection from the ground screw to the grounding surface prior to connecting devices.

**NOTE** Using a shielded cable achieves better electromagnetic compatibility.

## Connecting the Power Inputs

The RKS-G4028 Series switches support various types of power supply.

- LV models provide one 24/48 VDC power input
- 2LV models provide two 24/28 VDC power inputs
- HV models provide one 110/220 VDC/VAC power input
- 2HV models provide two 110/220 VDC/VAC power inputs
- PoE models provide 1 EPS (external power supplies) with 48 VDC power inputs

## Wiring Requirements



### WARNING

Do not disconnect modules or wires unless power has been switched off or the area is known to be non-hazardous. The device may only be connected to the supply voltage shown on the type plate. The device is designed for operation with a Safety Extra-Low Voltage (SELV) or an isolated power supply, which means that they may only be connected to the supply voltage connections and to the signal contact with a SELV or an isolated power supply in compliance with IEC 62368-1/EN 62368-1/UL 62368-1 or UL 61010.

## Power Terminal Blocks

The connection for EPS (external power supply) / PWR1 (power supply 1) and PWR2 (power supply 2) are located on the front panel as shown below.

### PoE Models



### HV Models



### LV Models



### PoE Models Power Terminal Blocks

1. Insert the negative/positive (-/+ ) DC wires into the terminals.
2. Insert the terminal block connector prongs into the terminal block receptor.

### HV Models Power Terminal Blocks

1. Insert the line/neutral/ground (L/N/Ground) AC/DC wires into the terminals.
2. Insert the terminal block connector prongs into the terminal block receptor.

## **LV Models Power Terminal Blocks**

1. Insert the negative/positive (-/+ ) DC wires into the terminals.
2. Insert the terminal block connector prongs into the terminal block receptor.

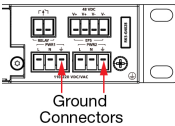
**NOTE** For higher levels of surge protection, install a surge protector in front of the power input of the PoE-powered device so that it is suitable for use in IEC 61850 conditions.

**NOTE** When wiring the power input, we suggest using 16-20 AWG (1.31-0.519 mm<sup>2</sup>) wiring and corresponding pin cable terminals. Wiring temperature rating should be at least 105°C.

**NOTE** When wiring PoE power input, we suggest using 16 AWG (1.31 mm<sup>2</sup>) wiring and corresponding pin cable terminals. Wiring temperature rating should be at least 105°C.

**NOTE** When wiring the grounding connector screw, we suggest using 16 AWG (1.31 mm<sup>2</sup>) wiring and corresponding pin cable terminals. Wiring temperature rating should be at least 105°C.

**NOTE** When HV models are connected with to AC power source, make sure the Ground wire is connected correctly.



**NOTE** When your purchase a device with two power modules, both power units will be activated simultaneously, which will enable power redundancy.

**NOTE** The reverse power input connection will not activate the device or PoE input.

## **Wiring the Relay Contact**

Each power module has one relay output that can be used to detect user-configured events. Two wires are attached to the relay pins with 'Normally Closed' and 'Normally Open' options.

1. Insert the wires into the terminals.
2. Insert the terminal block connector prongs into the terminal block receptor.

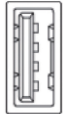
### **FAULT:**

The relay contact of the 2-pin terminal block connector is used to detect user-configured events. The two wires attached to the fault contacts

form an open circuit when a user-configured event is triggered. If a user-configured event does not occur, the fault circuit remains closed.

## USB Connection

Use Moxa USB Automatic Backup Configurator ABC-02-USB to connect to the USB storage port to backup and restore configuration files, auto-load configuration files, upgrade firmware, and backup system log files.



Type A

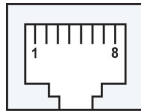
## microSD Connection

Use Moxa microSD Automatic Backup Configurator ABC-03-microSD to connect to the microSD port to back up and restore configuration files, auto-load configuration files, upgrade firmware, and back up system log files.

## Console Port Connection

The RKS device has one RJ45 console port (RS-232), located on the front panel. Use an RJ45-based cable to connect the RKS's console port to your PC's COM port. You may then use a console terminal program, such as Moxa PComm Terminal Emulator, to access the RKS device with a baud rate of 115200. Refer to the following table figure for the pin definition.

Pin	Description
1	-
2	-
3	-
4	TxD
5	RxD
6	GND
7	-
8	-



## The Reset Button

Depress the Reset button for five continuous seconds to load the factory default settings. Use a pointed object, such as a straightened paper clip or toothpick, to depress the Reset button. When you do so, the STATE LED will start to blink about once per second. Continue to depress the STATE LED until it begins blinking more rapidly; this indicates that the button has been depressed for five seconds and you can release the Reset button to load factory default settings.

**NOTE** Do NOT power off the switch when loading default settings

## Placing the Round Stickers on Module Screws

Moxa offers eight round stickers in the shipment package. These stickers are to be placed on the screws of the modules to avoid unauthorized persons accessing the modules. If the stickers are broken, users will know the modules have been accessed by unauthorized persons. The figure below highlights the locations of the screws.



Follow these steps to place the stickers.

1. Use a cloth to clean the surface of the screws with 75% alcohol solution.
2. We suggest you use a tweezer to place the stickers.
3. Press the stickers down with 15PSI (pound per square inch) for at least 15 seconds.
4. Keep the device at room temperature for 24 hours before deploying the devices in harsh environments.

- NOTE**
1. Place the stickers carefully as they are thin and fragile.
  2. The ideal environment for the stickers to be stored in is 22°C (72°F) and 50% relative humidity.
  3. Keep the extra two stickers in a safe place so that no unauthorized persons can access them.

## LED Indicators

The front/rear panels of the RKS-G4028 switch contains several LED indicators. The function of each LED is described in the table below.

LED	Color	State	Description
<b>System LEDs</b>			
<b>P1 (PWR1)</b>	Amber	On	Power is being supplied to the main module's power input PWR1.
		Off	Power is not being supplied to the main module's power input PWR1.
<b>P2 (PWR2)</b>	Amber	On	Power is being supplied to the main module's power input PWR2.
		Off	Power is not being supplied to the main module's power input PWR2.
<b>S (STATE)</b>	Green	On	The system passed the self-diagnosis test on boot up and is ready to run.
		Blinking (1 Hz)	<ol style="list-style-type: none"> <li>1. System service initialization.</li> <li>2. When pressing the reset button for 5 seconds to reset to factory default setting.</li> </ol>
	Blinking (4 Hz)	<ol style="list-style-type: none"> <li>1. After pressing the reset button for 5 seconds the system is ready to do a factory reset.</li> <li>2. When the external storage ABC-02 or ABC-03 automatic backup device is connected to the switch.</li> </ol>	
	Red	On	The system has initially failed in the boot-up process.



LED	Color	State	Description
<b>F (FAULT)</b>	Red	On	<ol style="list-style-type: none"> <li>1. Network loop is detected when loop protection is enabled.</li> <li>2. The relay contact is triggered.</li> <li>3. External storage Loading/Saving has failed.</li> <li>4. The port is being disabled because it has exceeded the ingress rate limit of the shutdown mode.</li> <li>5. Invalid Ring port connection.</li> <li>6. Multiple network coupling connected incorrectly.</li> </ol>
		Off	System successfully booted up and no events triggered.
<b>M/H (MSTR/ HEAD)</b>	Green	On	<ol style="list-style-type: none"> <li>1. Master of Turbo Ring 1 or Turbo Ring 2.</li> <li>2. Head of the Turbo Chain.</li> <li>3. Manager of the MRP Ring.</li> </ol>
		Blinking	<ol style="list-style-type: none"> <li>1. Master of Turbo Ring 1 or Turbo Ring 2 and at least one ring is broken.</li> <li>2. Member of a Turbo Ring and all the corresponding ring ports are link down.</li> <li>3. Head of a Turbo Chain and the chain is broken.</li> <li>4. Manager of the MRP Ring and the ring is open.</li> <li>5. Member of the Turbo Chain and the link of the corresponding Member Port 1 is down.</li> <li>6. Tail of the Turbo Chain and the link of the corresponding Member Port is down.</li> </ol>
		Off	<ol style="list-style-type: none"> <li>1. Not the Master of Turbo Ring 1 or Turbo Ring 2.</li> <li>2. Not the Head of the Turbo Chain.</li> <li>3. Not the Manager of the MRP Ring.</li> </ol>
<b>C/T (CPLR/ TAIL)</b>	Green	On	<ol style="list-style-type: none"> <li>1. Ring coupling or dual homing function is enabled.</li> <li>2. Turbo Chain Tail.</li> </ol>
		Blinking	<ol style="list-style-type: none"> <li>1. Turbo Chain Tail and the Chain is broken.</li> <li>2. Turbo Chain Head and the link of the corresponding Member Port is down.</li> <li>3. Turbo Chain Member and the link of the corresponding Member Port 2 is down.</li> </ol>

LED	Color	State	Description
		Off	<ol style="list-style-type: none"> <li>Coupling disabled or switch is Turbo Chain Tail.</li> <li>Dual Homing disabled or Dual Homing session not configured</li> </ol>
<b>SYNC</b>	Amber	On	The PTP function is enabled.
		Blinking	Receiving sync packets but the time has not converged yet.
	Green	On	The PTP function has successfully converged.
<b>System LED (Except PWR)</b>	Green/ Red/ Amber	Blinking (4 Hz)	The switch is being discovered/located by the locator function. Applies to the following LEDs: S, F, M/H, C/T, SYNC. Each LED will light up in its default color.
		Rotating On (2 Hz) and Off sequentially	Importing/exporting a file via the ABC-02 or ABC-03. Applies to the following LEDs: F, M/H, C/T, SYNC. Each LED will light up in its default color.
<b>EPS (External Power Supply)</b>	Amber	On	Normal operation.
		Off	No external power supply for PoE.
<b>M1 Copper (10/100/1000 Mbps, 4GT model only)</b>	Green	On	Port active and links at 1,000 Mbps.
		Blinking	Port data transfer at 1,000 Mbps.
		Off	Port inactive or link down.
	Amber	On	Port active and links at 10/100 Mbps.
		Blinking	Port data transmitted at 10/100 Mbps.
		Off	Port inactive or link down.
<b>M1 SFP (100/1000 Mbps, 4GS model only)</b>	Green	On	Port active and links at 1,000 Mbps.
		Blinking	Port data transfer at 1,000 Mbps.
		Off	Port inactive or link down.
	Amber	On	Port is active and links at 100 Mbps.
		Blinking	Port data transfer at 100 Mbps.
		Off	When the port is inactive or link down.

## LEDs for RM-G4000 Modules

### RM-G4000-8GTX/8GSFP

LED	Color	State	Description
<b>Copper (10/100/ 1000 Mbps)</b>	Green	On	Port 1000 Mbps link is active.
		Blinking	Data transmitted at 1000 Mbps.
		Off	Port link is inactive.
	Amber	On	Port 10/100 Mbps link is active.
		Blinking	Data transfer at 10/100 Mbps.
		Off	Port link inactive.
<b>SFP (100/1000 Mbps)</b>	Green	On	Port 1000 Mbps link active.
		Blinking	Data transfer at 1000 Mbps.
		Off	Port link inactive.
	Amber	On	Port 100 Mbps link active.
		Blinking	Data transfer at 100 Mbps.
		Off	Port link inactive.

### RM-G4000-8TX/8SFP/6MSC/6MST/6SSC/4MSC2TX/4MST2TX/ 4SSC2TX/2MSC4TX/2MST4TX/2SSC4TX

LED	Color	State	Description
<b>Copper (10/100 Mbps)</b>	Green	On	Port 100 Mbps link is active.
		Blinking	Data transfer at 100 Mbps.
		Off	Port link inactive.
	Amber	On	Port 10 Mbps link active.
		Blinking	Data transfer at 10 Mbps.
		Off	Port link inactive.
<b>Fiber (10/100 Mbps)</b>	Green	On	Port 100 Mbps link active.
		Blinking	Data transfer at 100 Mbps.
		Off	Port link inactive.
	Amber	On	Port 10 Mbps link active.
		Blinking	Data transfer at 10 Mbps.
		Off	Port link inactive.

### RM-G4000-8GPoE

LED	Color	State	Description
<b>Copper (10/100/ 1000 Mbps)</b>	Green	On	Port 1000 Mbps link active.
		Blinking	Data transfer at 1000 Mbps.
		Off	Port link inactive.
	Amber	On	Port 10/100 Mbps link active.
		Blinking	Data transfer at 10/100 Mbps.
		Off	Port link inactive.
<b>PoE/ PoE+/ PoE++</b>	Green	On	Connected to an IEEE 802.3bt powered device (PD).
		Off	1. Power is not being supplied to a powered device (PD). 2. The port is not connected to an IEEE 802.3bt/at/af standard powered device (PD).
	Amber	On	Connected to an IEEE 802.3af/at powered device (PD).
		Blinking	PoE power shut off because power budget low.
		Off	1. Power not being supplied to a powered device (PD).

			2. Port not connected to an IEEE 802.3bt/at/af standard powered device (PD).
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## RM-G4000-8PoE

LED	Color	State	Description
<b>Copper (10/100/ 1000 Mbps)</b>	Green	On	Port 100 Mbps link active.
		Blinking	Data transfer at 100 Mbps.
		Off	Port link inactive.
	Amber	On	Port 10 Mbps link is active.
		Blinking	Data transfer at 10 Mbps.
		Off	Port link inactive.
<b>PoE/ PoE+/ PoE++</b>	Green	On	Port connected to an IEEE 802.3bt powered device (PD).
		Off	1. Power is not being supplied to a powered device (PD). 2. Port is not connected to an IEEE 802.3bt/at/af standard powered device (PD).
	Amber	On	Port connected to an IEEE 802.3af/at powered device (PD).
		Blinking	PoE power shut off because power budget low.
		Off	1. Power is not being supplied to a powered device (PD). 2. The port is not connected to an IEEE 802.3bt/at/af standard powered device (PD).

## Specifications

Interface	
10/100/1000BaseT(X) Ports (RJ45 connector)	RKS-G4028-4GT Models: 4 RKS-G4028-L3-4GT Models: 4
100/1000BaseSFP	RKS-G4028-4GS Models: 4 RKS-G4028-L3-4GS Models: 4 RKS-G4028-PoE-4GS Models: 4 RKS-G4028-L3-PoE-4GS Models: 4
Modules	There are 3 module slots on the switch. Users can select different types of modules to insert into the switch. The modules that can be selected include 8-port/6-port modules with 10/100/1000BaseT(X), 10/100BaseT(X), 100/1000BaseSFP, or 100BaseFX (SC/ST connector) interfaces.
Alarm Contact Channels	1 relay output with current carrying capacity of 2 A @ 24 VDC
Console Port	RS-232 (RJ45 connector)
Storage Port	USB Type A, microSD card
Buttons	Reset button
LED Indicators	PWR1, PWR2, STATE, FAULT, MSTR/HEAD, CPLR/TAIL, SYNC, EPS

<b>PoE Information</b>	
Total PoE Power Budget	300 W
Max. PoE Power Output per Port	IEEE 802.3af: 15.4 W IEEE 802.3at: 30 W* IEEE 802.3bt: 90 W *The power consumption tested for UL certification.
<b>Power Parameters</b>	
Input Voltage	RKS-G4028-LV Models: 24/48 VDC RKS-G4028-2LV Models: 24/48 VDC (redundant power supplies) RKS-G4028-HV Models: 110/220 VAC, 110/220 VDC RKS-G4028-2HV Models: 110/220 VAC, 110/220 VDC (redundant power supplies) PoE Models: 48 VDC (for PoE system)
Operating Voltage	RKS-G4028-LV Models: 18 to 72 VDC RKS-G4028-2LV Models: 18 to 72 VDC RKS-G4028-HV Models: 85 to 264 VAC, 88 to 300 VDC RKS-G4028-2HV Models: 85 to 264 VAC, 88 to 300 VDC PoE Models: 46 to 57 VDC (for PoE system)
Overload Current Protection	Supported
Reverse Polarity Protection	Supported
Input Current	RKS-G4028-LV/2LV models: <ul style="list-style-type: none"> <li>• Max. 2.53 A @ 24 VDC</li> <li>• Max. 1.25 A @ 48 VDC</li> </ul> RKS-G4028-HV/2HV models: <ul style="list-style-type: none"> <li>• Max. 0.55 A @ 110 VDC</li> <li>• Max. 0.29 A @ 220 VDC</li> <li>• Max. 1.01 A @ 110 VAC</li> <li>• Max. 0.62 A @ 220 VAC</li> </ul> EPS (only for PoE model): <ul style="list-style-type: none"> <li>• Max. 7.50 A @ 48 VDC</li> </ul>
Power Consumption (Max.) (Full modules installed)	RKS-G4028-LV/2LV models: <ul style="list-style-type: none"> <li>• Max. 60.72 W @ 24 VDC</li> <li>• Max. 60 W @ 48 VDC</li> </ul> RKS-G4028-HV/2HV models: <ul style="list-style-type: none"> <li>• Max. 60.5 W @ 110 VDC</li> <li>• Max. 63.8 W @ 220 VDC</li> <li>• Max. 62.2 W @ 110 VAC</li> <li>• Max. 64.1 W @ 220 VAC</li> </ul>
<b>Physical Characteristics</b>	
IP Rating	IP30
Dimensions	440 x 44 x 300 mm (17.32 x 1.73 x 11.81 in)

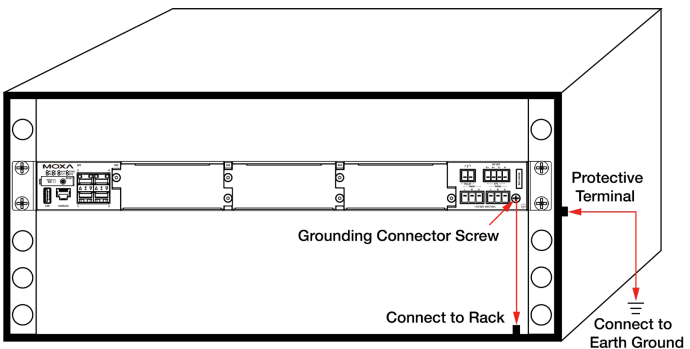
Weight	RKS-G4028-LV/HV Models: 4,900 g RKS-G4028-2LV/2HV Models: 5,200 g RKS-G4028-PoE-LV/HV Models: 5,000 g RKS-G4028-PoE-2LV/2HV Models: 5,300 g RM-G4000-8TX: 300 g RM-G4000-8SFP: 400 g RM-G4000-8GTX: 300 g RM-G4000-8GSFP: 400 g RM-G4000-6MSC: 400 g RM-G4000-6MST: 400 g RM-G4000-6SSC: 400 g RM-G4000-4MSC2TX: 400 g RM-G4000-4MST2TX: 400 g RM-G4000-4SSC2TX: 400 g RM-G4000-2MSC4TX: 400 g RM-G4000-2MST4TX: 400 g RM-G4000-2SSC4TX: 400 g RM-G4000-8PoE: 500 g RM-G4000-8GPoE: 500 g
Installation	Rack mounting
<b>Environmental Limits</b>	
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
<b>Standards and Certifications</b>	
Safety	EN IEC 62368-1, IEC 62368-1, IEC 60950-1, UL 62368-1, UL 61010
EMC	EN 55032/35, EN 61000-6-2/-6-4
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 35 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV IEC 61000-4-5 Surge: Power: 4 kV; Signal: 4 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF IEC 61000-4-11 Voltage Dips and Interruptions
Power Substation	IEC 61850-3, IEEE 1613
Railway	EN 50121-4
Traffic Control	NEMA TS2
Freefall	IEC 60068-2-32
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Industrial Cybersecurity	IEC 62443-4-1, IEC 62443-4-2
<b>Warranty</b>	
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## Rack Mounting Instructions

- 1. Elevated Operating Ambient:** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T<sub>ma</sub>) specified by the manufacturer.

**NOTE** To ensure reliable operations, please make sure the operating temperature of the environment does not exceed the spec. When mounting an RKS-G4028 rack-mounted switch with other operating units in a cabinet without forced ventilation, it is recommended that 1U of space is reserved between each rack-mounted switch and/or device.

- 2. Reduced Air Flow:** Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- 3. Mechanical Loading:** Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- 4. Circuit Overloading:** Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- 5. Reliable Grounding:** Reliable grounding of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips). Make sure the grounding screw of the device has been connected by a 16 AWG (min.) green-and-yellow wire to the rack, and the protective terminal of the rack has connected to the earth ground.





## ATTENTION

When installing the device onto a rack, make sure that the input terminal block and protective terminal do not connect, or it may cause an electric shock.

**NOTE** The rackmount ears can be equipped on the front or rear of Moxa RKS-G4028/RKS-G4028-L3 switch.

## Restricted Access Locations

- This equipment is intended to be used in Restricted Access Locations, such as a computer room, with access limited to SERVICE PERSONAL or USERS who have been instructed on how to handle the metal chassis of equipment that is so hot that special protection may be needed before touching it. The location should only be accessible with a key or through a security identity system.
- External metal parts of this equipment are extremely hot!! Before touching the equipment, you must take special precautions to protect your hands and body from serious injury.



## ATTENTION

1. To protect against the risk of fire, only replace the fuse with one that has the same type and rating.
2. It is recommended to incorporate a readily accessible disconnect device into the building installation wiring. Importantly, ensure the power supply is disconnected before performing any maintenance.
3. This equipment is designed to connect the earthed conductor of the D.C supply circuit to the equipment's' earthing conductor.
4. It is recommended to keep the PoE network indoors when using Information Technology Equipment.