

MOXA

MOXA 6150-G2
Ethernet Secure
Terminal Server



MOXA 6150-G2 Ethernet Secure Terminal Server Installation Guide

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MOXA 6150-G2 Ethernet Secure Terminal Server



Package Checklist

- NPort 6150-G2 or NPort 6250-G2
- Power adapter (does not apply to -T models)
- 2 wall-mounting ears
- Quick installation guide (this guide)

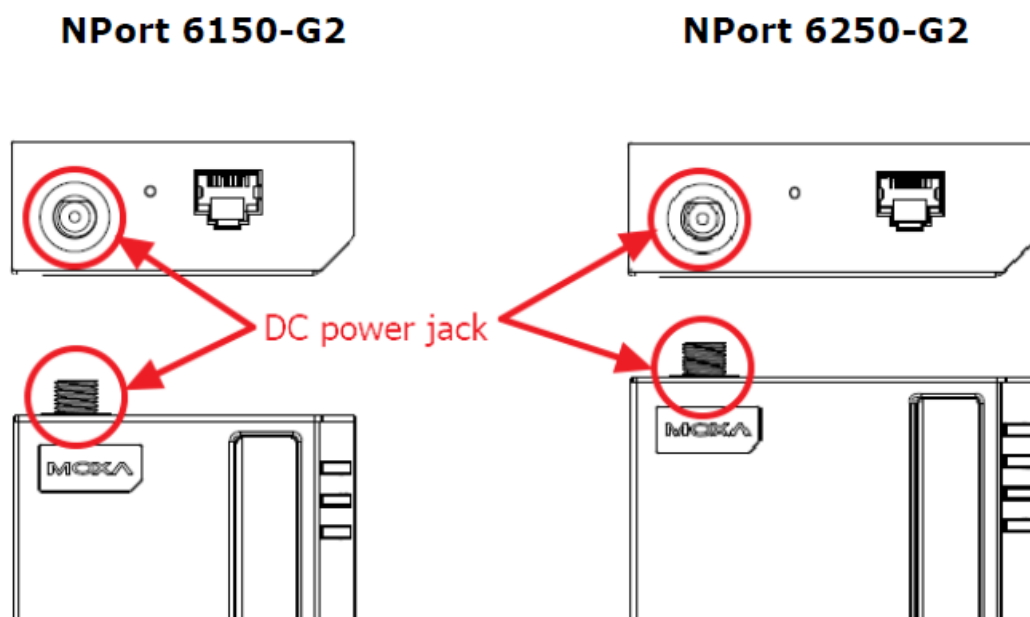
NOTE Please notify your sales representative if any of the above items are missing or damaged.

For optional accessories, like power adapters for a wide-temperature environment or side-mounting kits, refer to the Accessories section in the datasheet.

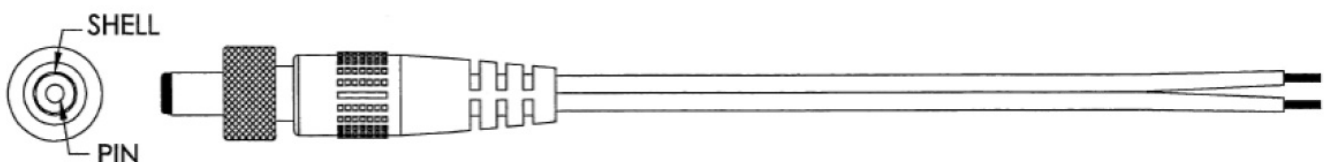
NOTE The operating temperature of the power adapter (included in the package) is from 0 to 40°C. If your application is outside this range, use a power adapter supplied by an external UL Listed Power Supply (LPS), whose power output meets SELV and LPS and is rated at 12 to 48 VDC and minimum current 0.16 A and minimum Tma = 75°C.

Powering the Device

Unbox the device server and power it up using the power adapter provided in the box. The location of the DC outlet on the device server is indicated in the following figures:



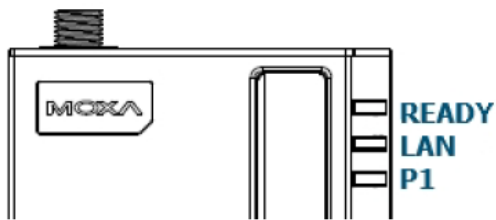
If you are connecting the DC outlet to a DIN-rail power supply, you will need a separate power cable, CBL-PJ21NOPEN-BK-30 w/Nut, to convert the terminal block output to the DC outlet on the NPort.



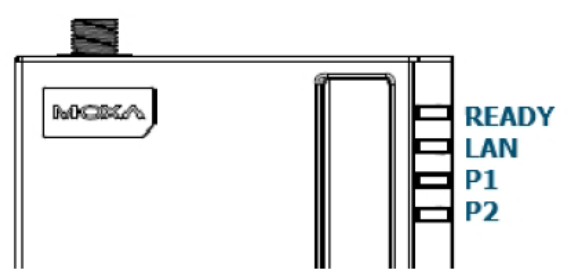
If you are using a DIN-rail power supply or another vendor's power adapter, ensure that the ground pin is properly connected. The ground pin must be connected with the chassis ground of the rack or the system.

After powering up the device, the Ready LED should turn solid Red first. After a couple of seconds, the Ready LED should turn solid Green, and you should hear a beep, which indicates that the device is ready. For detailed behavior of the LED indicators, see the LED Indicators section.

NPort 6150-G2



NPort 6250-G2



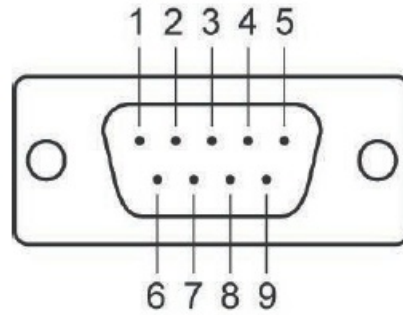
LED Indicators

LED	Color	LED Function	
Ready	Red	Steady	Power is on and the NPort is booting up
		Blinking	Indicates an IP conflict or the DHCP or BOOTP server did not respond properly or a relay output occurred. Check the relay output first. If the Ready LED continues to blink after resolving the relay output, there may be an IP conflict or an issue with the DHCP or BOOTP server response.
	Green	Steady	Power is on and the NPort is functioning normally
		Blinking	The device server has been located by the Administrator's Location function
	Off	Power is off, or a power error condition exists	
LAN	Green	Steady	The ethernet cable is plugged in and the link-up
		Blinking	Ethernet port is transmitting/receiving
P1, P2	Yellow	Serial port is receiving data	
	Green	Serial port transmits data	
	Off	No data is being transmitted or received through the serial port	

When the device is ready, connect an Ethernet cable to the NPort 6100-G2/6200-G2 directly with the computer's Ethernet port or an Ethernet port of a switch.

Serial Ports

The NPort 6150 models come with 1 serial port while the NPort 6250 models have 2 serial ports. The serial ports come with DB9 male connectors and support RS-232/422/485. Refer to the following table for the pin assignments.



Pin	RS-232	RS-422 4-wire RS-485	2-wire RS-485
1	DCD	TxD-(A)	–
2	RXD	TxD+(B)	–
3	TXD	RxD+(B)	Data+(B)
4	DTR	RxD-(A)	Data-(A)
5	GND	GND	GND
6	DSR	–	–
7	RTS	–	–
8	CTS	–	–
9	–	–	–

The serial cables for connecting the NPort 6100-G2/6200-G2 to a serial device can be purchased separately.

Software Installation

The default IP address of the NPort is 192.168.127.254. There is no default username or password. You will need to complete the following first-login process as part of the basic settings.

1. Set up the first administrator's account and password for your NPort.
2. If you have exported configuration files from NPort 6100 or NPort 6200, you can import a configuration file to configure the settings.

If this is your first time to use an NPort, skip this step.

3. Configure the IP address, subnet mask, and network settings for the NPort.
4. After applying the settings, the NPort will reboot.

Log in using the administrator's account and password that you set up in step 1.

For details, please scan the QR Code. A video will guide you through the basic settings.

You can also access the video via

[Link to the video](#)

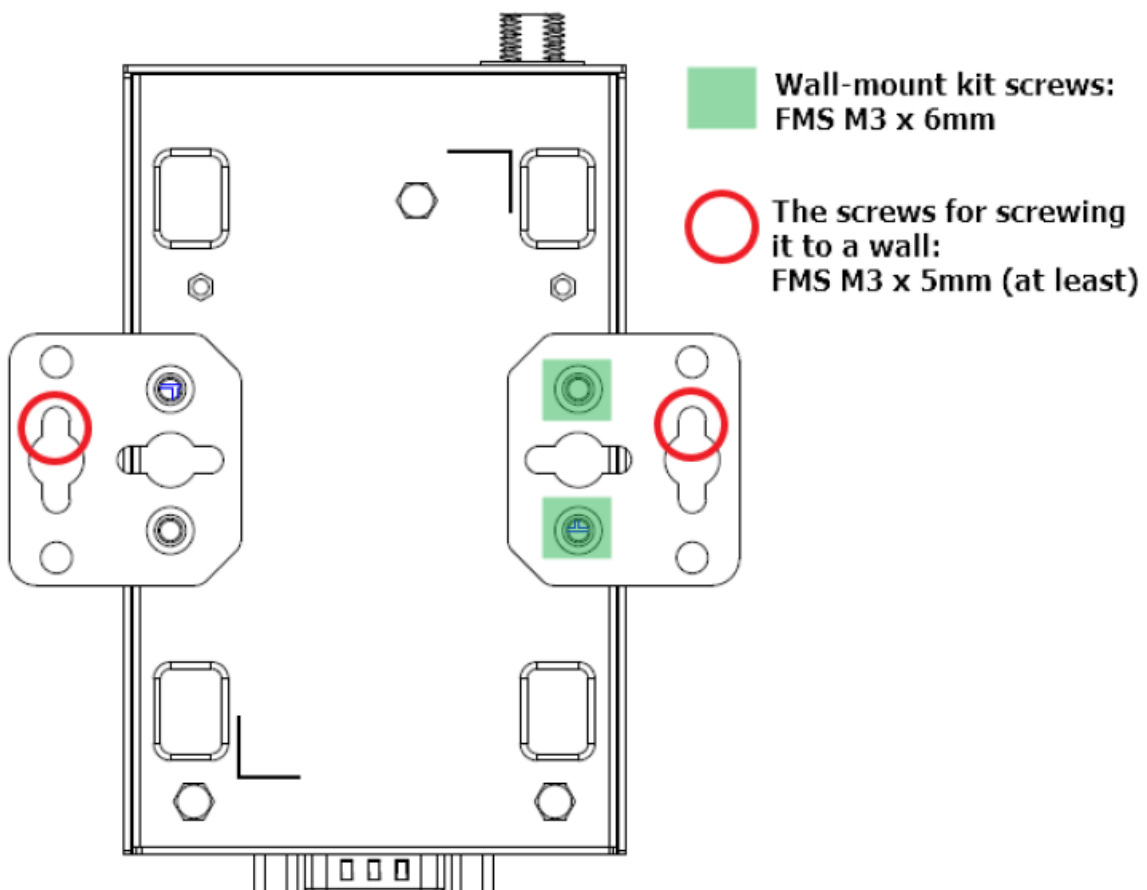


Mounting Options

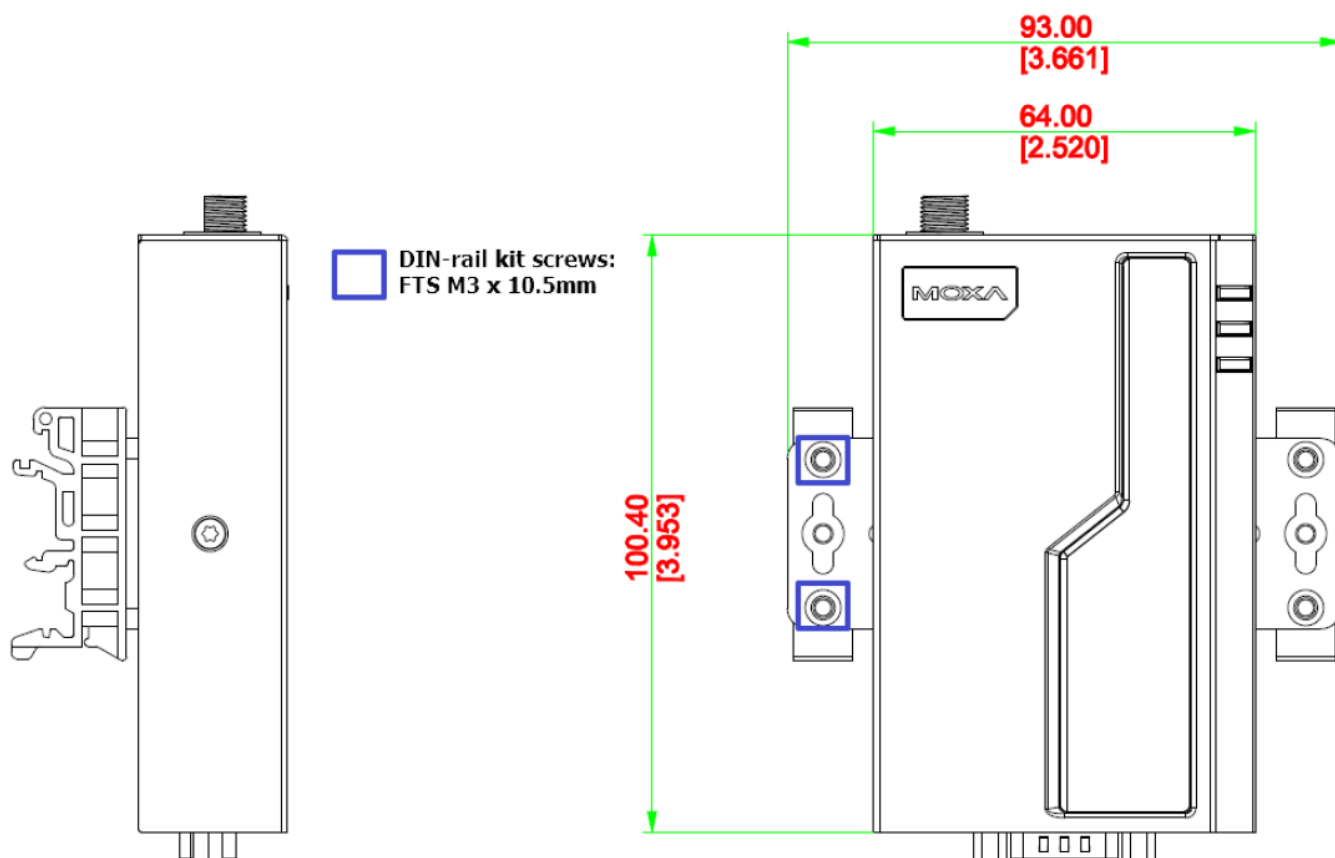
The NPort 6100-G2/6200-G2 device servers include a wall-mount kit in the box, which can be used to mount the NPort to a wall or the inside of a cabinet. You can order a DIN-rail kit or side-mount kit separately for different placement options.

The NPort 6100-G2/6200-G2 can be placed flat on a desktop or other horizontal surface. In addition, you may use the DIN-rail mount, wall-mount, or side-mount options (DIN-rail and side-mounting kits need to be ordered separately), as illustrated in the following diagrams:

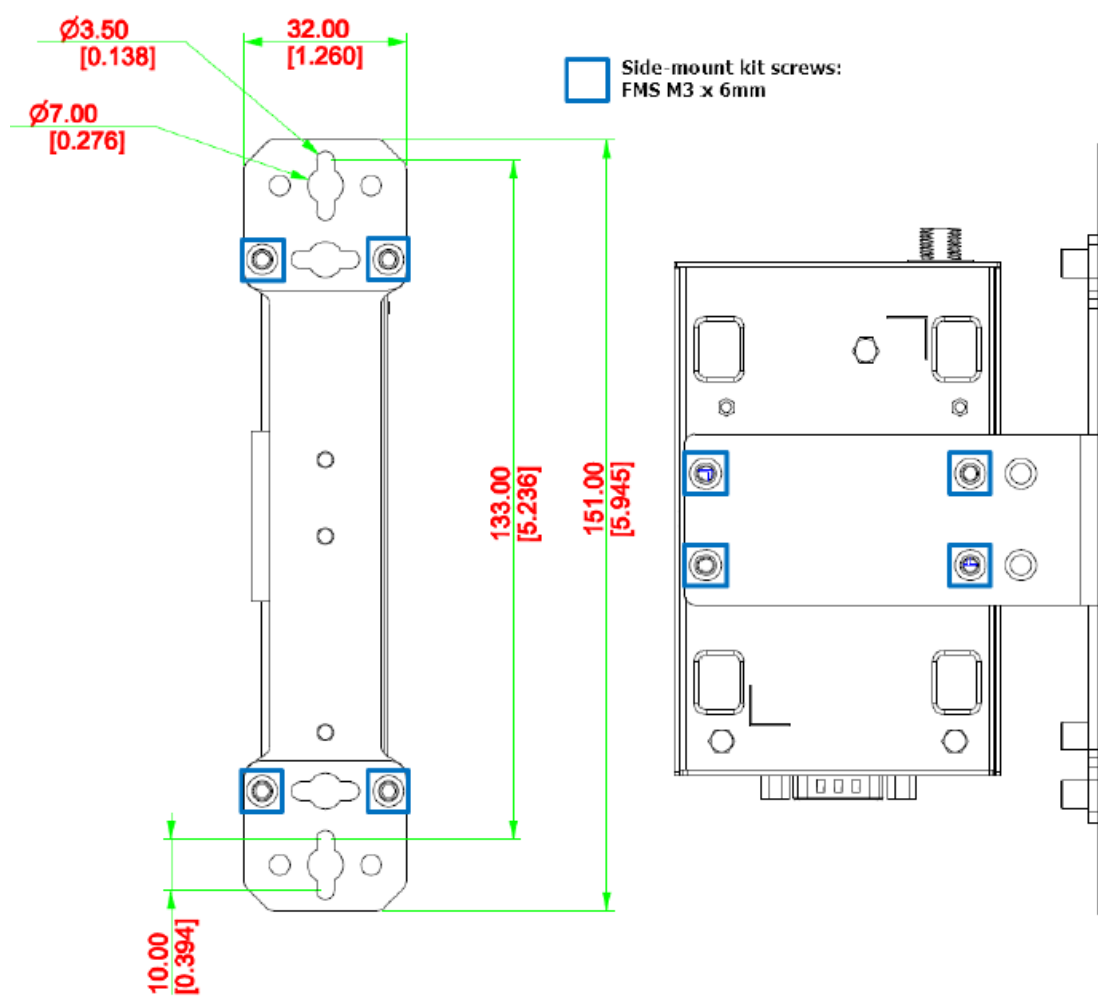
Wall Mounting



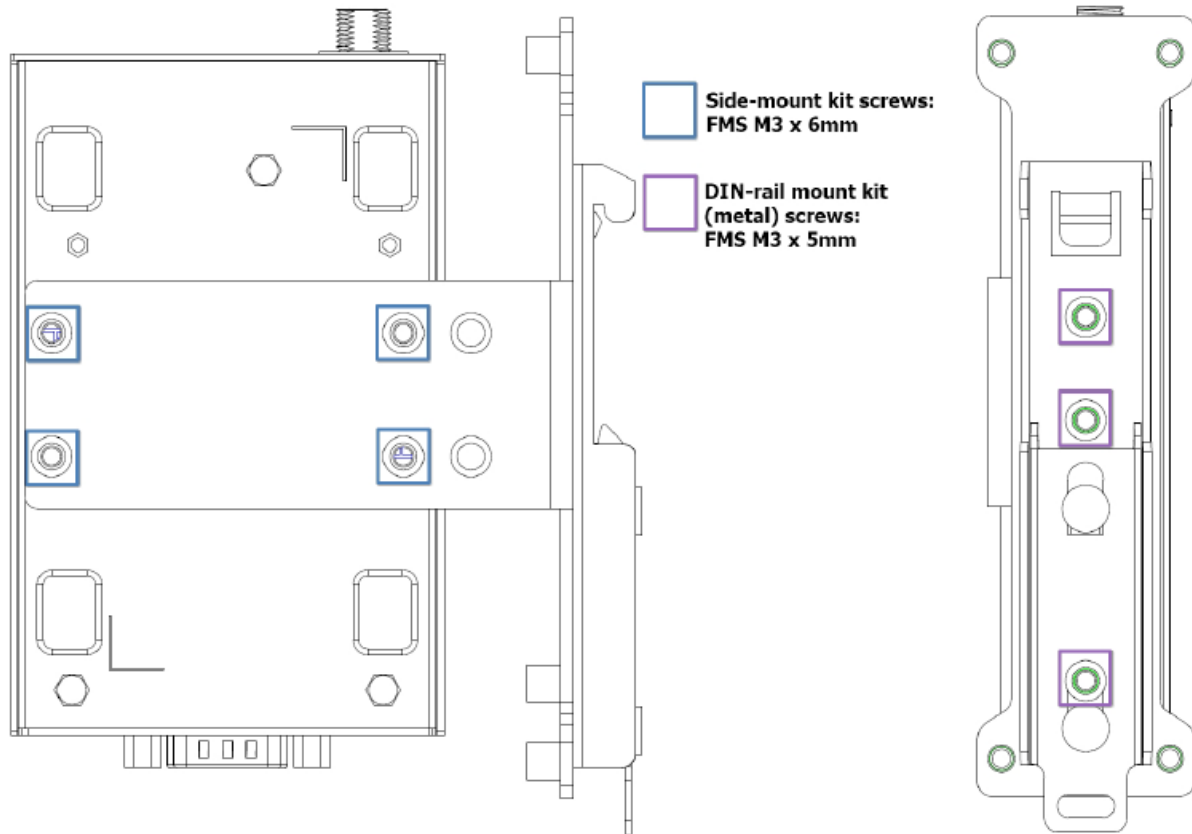
DIN-rail Mounting (plastic)



Side Mounting

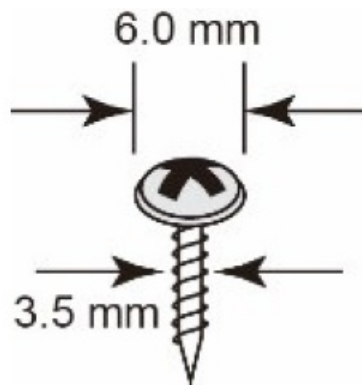


DIN-rail Mounting (metal) With Side-mounting Kit



The mounting kit packages include screws. However, if you prefer to buy your own, refer to the dimensions below:

- Wall-mounting kit screws: FMS M3 x 6 mm
- DIN-rail mounting kit screws: FTS M3 x 10.5 mm
- Side-mounting kit screws: FMS M3 x 6 mm
- Metal DIN-rail kit screws (on side-mount kit): FMS M3 x 5 mm For attaching the device server to a wall or the inside of a cabinet, we recommend using a M3 screw with the following specifications:
- The head of the screw should be between 4 to 6.5 mm in diameter.
- The shaft should be 3.5 mm in diameter.
- The length should be longer than 5 mm.



RoHS Compliance

All Moxa products are marked with the CE logo to indicate that our electronic products have met the RoHS 2 Directive's requirements.

All Moxa products are marked with the UKCA logo to indicate that our electronic products have met the UK RoHS Regulation.

For further information, please visit our website at:

http://www.moxa.com/about/Responsible_Manufacturing.aspx

Simplified EU and UK Declaration of Conformity

Hereby, Moxa Inc. declares that the equipment is in compliance with Directives. The full test of the EU and UK declaration of conformity and other detailed information is available at the following Internet address:

<https://www.moxa.com> or <https://partnerzone.moxa.com/>

Restricted Bands of Operation for Wireless device

The 5150-5350 MHz frequency band is restricted to indoor use for EU member states.

As countries and regions have different regulations regarding the use of frequency bands to avoid interference, please check local regulations before using this device.

EU Contact Information

Moxa Europe GmbH

New Eastside, Streifeldstrasse 25, Haus B, 81673 München, Germany

UK Contact Information

MOXA UK Limited

First Floor, Radius House, 51 Clarendon Road, Watford, Hertfordshire, WD17, 1HP, United Kingdom

FCC Supplier's Declaration of Conformity

The following equipment:

Product Model: As shown on product label

Trade Name: MOXA

It's herewith confirmed this device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

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

It is understood that each unit marketed is identical to the device as tested, and any changes to the device that could adversely affect the emission characteristics will require retest.

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

Responsible Party—U.S. Contact Information

- Moxa Americas Inc.
- 601 Valencia Avenue, Suite 100, Brea, CA 92823, USA
- Phone number: 1-[877-669-2123](tel:877-669-2123)

Manufacturer address:

No. 1111, Heping Rd., Bade Dist., Taoyuan City 334004, Taiwan

Contact Us:

For our worldwide sales offices, please visit our website: https://www.moxa.com/about/Contact_Moxa.aspx

Product Warranty Statement

Moxa warrants this product to be free from manufacturing defects in materials and workmanship, starting from the date of delivery. The actual warranty period of Moxa's products varies with product category. Complete details can be found here: <http://www.moxa.com/support/warranty.htm>

NOTE The warranty statement on the above web page supersedes any statements in this printed document.

Moxa will replace any product found to be defective within the first three months of purchase, provided said product was properly installed and used. Defects, malfunctions, or failures of the warranted product caused by damage resulting from acts of God (such as floods, fire, etc.), environmental and atmospheric disturbances, other external forces such as power line disturbances, plugging the board in under power, or incorrect cabling, and damage caused by misuse, abuse, and unauthorized alteration or repair, are not warranted.


Customers must obtain a Return Merchandise Authorization (RMA) number prior to returning a defective product to Moxa for service. The customer agrees to insure the product or assume the risk of loss or damage during transit, to prepay shipping charges, and to use the original shipping container or equivalent.

Repaired or replaced products are warranted for ninety (90) days from the date of repair or replacement, or for the remainder of the original product's warranty period, whichever is longer.

CAUTION

Risk of Explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Documents / Resources

	MOXA 6150-G2 Ethernet Secure Terminal Server [pdf] Installation Guide 6150-G2, 6250-G2, 6150-G2 Ethernet Secure Terminal Server, 6150-G2, Ethernet Secure Terminal Server, Secure Terminal Server, Terminal Server, Server
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References

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