Package Checklist
The EDS-G500E is shipped with the following items. If any of these items are missing or damaged, please contact your customer service representative for assistance.

- 1 EDS-G508E or EDS-G512E-4GSFP or EDS-G516E-4GSFP Ethernet switch
- Hardware installation guide
- Documentation and software CD
- Moxa product warranty statement
- USB cable
- Protective caps for unused ports

Features

- Up to 12 10/100/1000BaseT(X) ports and 4 100/1000BaseSFP ports
- Turbo Ring and Turbo Chain (recovery time < 50 ms @ 250 switches), RSTP/STP, and MSTP for network redundancy
- RADIUS, TACACS+, SNMPv3, IEEE 802.1x, HTTPS, and SSH to enhance network security
- EtherNet/IP, PROFINET, and Modbus/TCP protocols supported for device management and monitoring
Panel Views of EDS-G500E Series

**Front Panel**

1. 1000BaseT(X) LED indicator
2. 10/100BaseT(X) LED indicator
3. 10/100/1000BaseT(X) ports
   - EDS-G508E: 1 to 8
   - EDS-G512E-4GSFP: 1 to 8
   - EDS-G516E-4GSFP: 1 to 12
4. System status LED:
   - STATE LED indicator
   - PWR1 LED indicator
   - PWR2 LED indicator
   - FAULT LED indicator
   - MSTR/HEAD LED indicator
   - CPLR/TAI LED indicator
5. USB storage port
6. SFP port LED indicator
   - EDS-G512E-4GSFP: 9 to 12
   - EDS-G516E-4GSFP: 13 to 16
7. 100/1000BaseSFP slots
8. Model Name

![EDS-G508E](image1)

![EDS-G512E-4GSFP](image2)

![EDS-G516E-4GSFP](image3)
Top Panel
1. Reset button
2. USB console port
3. DIP switches for Turbo Ring, Ring Master, and Ring Coupler
4. Grounding screw
5. 4-pin terminal block for digital input and power input 2
6. 4-pin terminal block for relay output and power input 1

Rear Panel
1. Screw holes for wall mounting kit
2. DIN-rail mounting kit
Mounting Dimensions

Unit = mm (inch)
DIN-Rail Mounting

The metal DIN-rail kit is fixed to the back panel of the EDS-G500E series when you take it out of the box. Mount the EDS-G500E series on corrosion-free mounting rails that meet the EN 60715 standard.

Installation

STEP 1—Insert the upper lip of the DIN rail into the DIN-rail mounting kit.

STEP 2—Press the EDS-G500E series towards the DIN rail until it snaps into place.

Removal

STEP 1—Pull down the latch on the mounting kit with a screwdriver.

STEP 2 & 3—Slightly pull the EDS-G500E series forward and lift up to remove it from the DIN rail.

ATTENTION

1. These devices are open-type devices that are to be installed in an enclosure with tool removable cover or door that suitable for the environment.
2. This equipment is suitable for use in Class I, Division 2, Groups A, B, C, and D or non-hazardous locations only.
Wall Mounting (Optional)

For some applications, you will find it convenient to mount Moxa EDS-G500E series on the wall, as shown in the following illustrations:

**STEP 1**—Remove the aluminum DIN rail attachment plate from the rear panel of the EDS-G500E series, and then attach the wall mount plates with M3 screws, as shown in the figure at the right.

**STEP 2**—Mounting the EDS-G500E series on the wall requires 4 screws. Use the EDS-G500E series, with wall mount plates attached, as a guide to mark the correct locations of the 4 screws. The heads of the screws should be less than 6.0 mm in diameter, and the shafts should be less than 3.5 mm in diameter, as shown in the figure on at right.

**NOTE** Before tightening the screws into the wall, make sure the screw head and shank size are suitable by inserting the screw through one of the keyhole-shaped apertures of the Wall Mounting Plates.

Do not screw the screws in all the way—leave about 2 mm to allow room for sliding the wall mount panel between the wall and the screws.

**STEP 3**—Once the screws are fixed to the wall, insert the four screw heads through the wide parts of the keyhole-shaped apertures, and then slide the EDS-G500E downwards, as indicated in the figure at the right. Tighten the four screws for more stability.

**WARNING**

1. EXPLOSION HAZARD - Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.
2. EXPLOSION HAZARD - Substitution of any components may impair suitability for Class I, Division 2.
3. EXPOSURE TO SOME CHEMICALS MAY DEGRADE THE SEALING PROPERTIES OF MATERIALS USED IN THE RELAY.
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 devices may only be connected to the supply voltage shown on the type plate. The devices are designed for operation with a Safety Extra-Low Voltage. Thus, they may only be connected to the supply voltage connections and to the signal contact with the Safety Extra-Low Voltages (SELV) in compliance with IEC950/EN60950/VDE0805.

ATTENTION
This unit is a built-in type. When the unit is installed in another piece of equipment, the equipment enclosing the unit must comply with fire enclosure regulation IEC 60950/EN60950 (or similar regulation).

ATTENTION
Safety First!
Be sure to disconnect the power cord before installing and/or wiring your Moxa EtherDevice Switch. Calculate the maximum possible current in each power wire and common wire. Observe all electrical codes dictating the maximum current allowable for each wire size. If the current goes above the maximum ratings, the wiring could overheat, causing serious damage to your equipment.

Please read and follow these guidelines:

- Use separate paths to route wiring for power and devices. If power wiring and device wiring paths must cross, make sure the wires are perpendicular at the intersection point.
  NOTE: Do not run signal or communications wiring and power wiring through the same wire conduit. To avoid interference, wires with different signal characteristics should be routed separately
- You can use the type of signal transmitted through a wire to determine which wires should be kept separate. The rule of thumb is that wiring that shares similar electrical characteristics can be bundled together
- You should separate input wiring from output wiring
- We advise that you label the wiring to all devices in the system.

Grounding the Moxa EDS-G500E Series
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.
ATTENTION
This product is intended to be mounted to a well-grounded mounting surface such as a metal panel.

Wiring the Relay Contact
The EDS-G500E series has one set of relay output. This relay contact uses two contacts of the terminal block on the EDS-G500E’s top panel. Refer to the next section for detailed instructions on how to connect the wires to the terminal block connector, and how to attach the terminal block connector to the terminal block receptor. In this section, we illustrate the meaning of the two contacts used to connect the relay contact.

**FAULT:**
The two contacts of the 6-pin terminal block connector are 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.

Wiring the Redundant Power Inputs
The EDS-G500E series has two sets of power inputs—power input 1 and power input 2. The top and front views of one of the terminal block connectors are shown here.

**STEP 1:** Insert the negative/positive DC wires into the V-/V+ terminals, respectively.

**STEP 2:** To keep the DC wires from pulling loose, use a small flat-blade screwdriver to tighten the wire-clamp screws on the front of the terminal block connector.

**STEP 3:** Insert the plastic terminal block connector prongs into the terminal block receptor, which is located on the EDS-G500E's top panel.

Wiring the Digital Inputs
The EDS-G500E series has one set of digital input (DI). The DI consists of two contacts of the 4-pin terminal block connector on the EDS-G500E's top panel, which are used for the two DC inputs. The top and front views of one of the terminal block connectors are shown here.
STEP 1: Insert the negative (ground)/positive DI wires into the ⌫/I terminals, respectively.

STEP 2: To keep the DI wires from pulling loose, use a small flat-blade screwdriver to tighten the wire-clamp screws on the front of the terminal block connector.

STEP 3: Insert the plastic terminal block connector prongs into the terminal block receptor, which is located on the EDS-G500E’s top panel.

Communication Connections

Each EDS-G500E series switch has 4 types of communication ports:

• 1 USB console port (type B connector)
• 1 USB storage port (type A connector)
• 8 (EDS-G508E/EDS-G512E-4GSFP) or 12 (EDS-G516E-4GSFP) 10/100/1000BaseT(X) Ethernet ports
• 4 100/1000Base SFP slots (EDS-G512E-4GSFP/EDS-G516E-4GSFP)

USB Console Connection

The EDS-G500E series has one USB console port (type B connector), located on the top panel. Use the USB cable (provided in the product package) to connect the EDS-G500E’s console port to your PC’s USB port and install the USB driver (available in the software CD) on the PC. You may then use a console terminal program, such as Moxa PComm Terminal Emulator, to access the EDS-G500E’s console configuration utility.

USB Console Port (Type B Connector) Pinouts

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>D– (Data -)</td>
</tr>
<tr>
<td>2</td>
<td>VCC (+5V)</td>
</tr>
<tr>
<td>3</td>
<td>D+ (Data+)</td>
</tr>
<tr>
<td>4</td>
<td>GND (Ground)</td>
</tr>
</tbody>
</table>

USB Storage Connection

The EDS-G500E series has one USB storage port (type A connector) on the front panel. Use Moxa ABC-02-USB-T automatic backup configurator to connect the EDS-G500E's USB storage port for configuration backup, firmware upgrade or system log file backup.

ABC-02-USB Installation

Plug the ABC-02-USB into the USB storage port of the Moxa EDS-G500E series. Securing the ABC-02-USB on the wall with an M4 screw is suggested.
USB Storage Port (Type A Connector) Pinouts

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VCC (+5V)</td>
</tr>
<tr>
<td>2</td>
<td>D– (Data -)</td>
</tr>
<tr>
<td>3</td>
<td>D+ (Data+)</td>
</tr>
<tr>
<td>4</td>
<td>GND (Ground)</td>
</tr>
</tbody>
</table>

1000BaseT Ethernet Port Connection

1000BaseT data is transmitted on differential TRD+/– signal pairs over copper wires.

MDI/MDI-X Port Pinouts

<table>
<thead>
<tr>
<th>Pin</th>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TRD(0)+</td>
</tr>
<tr>
<td>2</td>
<td>TRD(0)–</td>
</tr>
<tr>
<td>3</td>
<td>TRD(1)+</td>
</tr>
<tr>
<td>4</td>
<td>TRD(2)+</td>
</tr>
<tr>
<td>5</td>
<td>TRD(2)–</td>
</tr>
<tr>
<td>6</td>
<td>TRD(1)–</td>
</tr>
<tr>
<td>7</td>
<td>TRD(3)+</td>
</tr>
<tr>
<td>8</td>
<td>TRD(3)–</td>
</tr>
</tbody>
</table>

100/1000BaseSFP (mini-GBIC) Fiber Port

The Gigabit Ethernet ports on the EDS-G500E series are 100/1000BaseSFP Fiber ports, which require using the 100M or 1G mini-GBIC fiber transceivers to work properly. Moxa provides completed transceiver models for different distance requirement.

The concept behind the LC port and cable is quite straightforward. Suppose that you are connecting devices I and II; contrary to electrical signals, optical signals do not require a circuit in order to transmit data. Consequently, one of the optical lines is used to transmit data from device I to device II, and the other optical line is used to transmit data from device II to device I, for full-duplex transmission.

Remember to connect the Tx (transmit) port of device I to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II. If you make your own cable, we suggest labeling the two sides of the same line with the same letter (A-to-A and B-to-B, as shown below, or A1-to-A2 and B1-to-B2).
ATTENTION
This is a Class 1 Laser/LED product. To avoid causing serious damage to your eyes, do not stare directly into the Laser Beam.

Reset Button
There are two functions available on the Reset Button. One is to reset the Ethernet switch to factory default settings by pressing and holding the Reset button for 5 seconds. Use a pointed object, such as a straightened paper clip or toothpick, to depress the Reset button. This will cause the STATE LED to blink once a second. After depressing the button for 5 continuous seconds, the STATE LED will start to blink rapidly. This indicates that factory default settings have been loaded and you can release the reset button.

When the ABC-02-USB is connected to the EDS-G500E Ethernet switch, the reset button allows quick configuration and backs up log files to the ABC-02-USB. Press the Reset button on top of the EDS-G500E, the Ethernet switch will start backing up current system configuration files and event logs to the ABC-02-USB.

NOTE  Do NOT power off the Ethernet switch when loading default settings.

Turbo Ring DIP Switch Settings
EDS-G500E series are plug-and-play managed redundant Ethernet switches. The proprietary Turbo Ring protocol was developed by Moxa to provide better network reliability and faster recovery time. Moxa Turbo Ring’s recovery time is less than 300 ms (Turbo Ring) or 50 ms (Turbo Ring V2) —compared to a 3- to 5-minute recovery time for commercial switches—decreasing the possible loss caused by network failures in an industrial setting.

There are 4 Hardware DIP Switches for Turbo Ring on the top panel of EDS-G500E series that can help setup the Turbo Ring easily within seconds. If you do not want to use a hardware DIP switch to setup the Turbo Ring, you can use a web browser, telnet, or console to disable this function.

NOTE  Please refer to the Turbo Ring section in Communication Redundancy User’s Manual for more detail information about the setting and usage of Turbo Ring and Turbo Ring V2.

EDS-G500E Series DIP Switches
The default setting for each DIP Switch is OFF. The following table explains the effect of setting the DIP Switch to the ON position.
### “Turbo Ring” DIP Switch Settings

<table>
<thead>
<tr>
<th>DIP 1</th>
<th>DIP 2</th>
<th>DIP 3</th>
<th>DIP 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reserved for future use.</td>
<td>ON: Enables this EDS as the Ring Master.</td>
<td>ON: Enables the default “Ring Coupling” ports.</td>
<td>ON: Activates DIP switch 2 and 3 to configure “Turbo Ring” settings.</td>
</tr>
<tr>
<td>OFF: This EDS will not be the Ring Master.</td>
<td>OFF: Do not use this EDS as the ring coupler.</td>
<td>OFF: DIP switch 1, 2, and 3 will be disabled.</td>
<td></td>
</tr>
</tbody>
</table>

### “Turbo Ring V2” DIP Switch Settings

<table>
<thead>
<tr>
<th>DIP 1</th>
<th>DIP 2</th>
<th>DIP 3</th>
<th>DIP 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON: Enables the default “Ring Coupling (backup)” port when DIP switch 3 is already enabled.</td>
<td>ON: Enables this EDS as the Ring Master.</td>
<td>ON: Enables the default “Ring Coupling” port.</td>
<td>ON: Activates DIP switch 1, 2, and 3 to configure “Turbo Ring V2” settings.</td>
</tr>
<tr>
<td>OFF: Enables the default “Ring Coupling (primary)” port when DIP switch 3 is already enabled.</td>
<td>OFF: This EDS will not be the Ring Master.</td>
<td>OFF: Do not use this EDS as a ring coupler.</td>
<td>OFF: DIP switch 1, 2, and 3 will be disabled.</td>
</tr>
</tbody>
</table>

**NOTE** You must enable the Turbo Ring function first before using the DIP switch to activate the Master and Coupler functions.

**NOTE** If you do not enable any of the EDS-G500E series switches to be the Ring Master, the Turbo Ring protocol will automatically choose the EDS-G500E series with the smallest MAC address range to be the Ring Master. If you accidentally enable more than one EDS-G500E series to be the Ring Master, these EDS-G500E series switches will auto-negotiate to determine which one will be the Ring Master.

### LED Indicators

The front panel of the Moxa EDS-G500E series contains several LED indicators. The function of each LED is described in the following table:

<table>
<thead>
<tr>
<th>LED</th>
<th>Color</th>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE</td>
<td>Green</td>
<td>On</td>
<td>The system passed the self-diagnosis test on boot-up and is ready to run.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blinking</td>
<td>1. The switch is under reset progress (1 time/s). 2. Detect ABC-02-USB connect to the switch (1 time/2s).</td>
</tr>
<tr>
<td>LED</td>
<td>Color</td>
<td>Status</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------</td>
<td>--------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>FAULT</td>
<td>Red</td>
<td>On</td>
<td>The system failed self-diagnosis on boot-up.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• RAM Test Fail / System Info. Read Fail / Switch Initial Fail / PTP PHY Error. (+ Green MSTR lit on : HW FAIL)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• FW Checksum Fail / Uncompress Fail. (+ Green Coupler lit on : SW FAIL)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1. The signal contact is open.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. ABC Loading/Saving Fail.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. The port being disabled because of the ingress multicast and broadcast packets exceed the ingress rate limit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4. Incorrect loop connection in a single switch.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5. Invalid Ring port connection.</td>
</tr>
<tr>
<td>PWR1</td>
<td>Amber</td>
<td>On</td>
<td>Power is being supplied to the main module’s power input PWR1.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Off</td>
<td>Power is not being supplied to the main module’s power input PWR1.</td>
</tr>
<tr>
<td>PWR2</td>
<td>Amber</td>
<td>On</td>
<td>Power is being supplied to the main module’s power input PWR2.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Off</td>
<td>Power is not being supplied to the main module’s power input PWR2.</td>
</tr>
<tr>
<td>MSTR/</td>
<td>Green</td>
<td>Blinking</td>
<td>1. The switch has become the Ring Master of the Turbo Ring.</td>
</tr>
<tr>
<td>HEAD</td>
<td></td>
<td></td>
<td>2. The Head of the Turbo Chain, after the Turbo Ring or the Turbo Chain is down.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. The switch is set as Turbo Chain’s Member and the corresponding chain port is down.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Off</td>
<td>1. The switch is not the Master of this Turbo Ring.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. This switch is set as a Member of the Turbo Chain.</td>
</tr>
<tr>
<td>CPLR/T</td>
<td>Green</td>
<td>Blinking</td>
<td>1. The switch’s coupling function is enabled to form a back-up path.</td>
</tr>
<tr>
<td>TAIL</td>
<td></td>
<td></td>
<td>2. When it’s set as the Tail of the Turbo Chain.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3. POST S.W. Fail (+Stat on and Fault blinking)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Off</td>
<td>1. Turbo Chain is down.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. The switch is set as Turbo Chain’s Member and the corresponding chain port is down.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1. This switch has disabled the coupling function.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2. This switch is set as a Member of the Turbo Chain.</td>
</tr>
<tr>
<td>LED</td>
<td>Color</td>
<td>Status</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>-------</td>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>FAULT + MSTR/HEAD + CPLR/TAIL</td>
<td>Rotate Blinking Sequentially</td>
<td>ABC-02-USB is importing/exporting files.</td>
<td></td>
</tr>
<tr>
<td>STATE + FAULT + MSTR/HEAD + CPLR/TAIL</td>
<td>Blinking</td>
<td>Switch is being discovered/located by MXview (2 times/s).</td>
<td></td>
</tr>
</tbody>
</table>

| 10M/100M (TP) | Amber | On | TP port’s 10 or 100 Mbps link is active. |
| 1000M (TP) | Green | On | TP port’s 1000 Mbps link is active. |
| 1000M | Green | On | SFP port’s 1000 Mbps link is active. |
| 100M | Amber | On | SFP port’s 100 Mbps link is active. |
| 1000M (SFP) | Green | On | SFP port’s 1000 Mbps link is active. |
| 1000M (SFP) | Green | On | SFP port’s 1000 Mbps link is active. |

**Specifications**

### Technology

**Standards**
- IEEE 802.3 for 10BaseT
- IEEE 802.3u for 100BaseT(X) and 100BaseFX
- IEEE 802.3ab for 1000BaseT(X)
- IEEE 802.3z for 1000BaseX

**Protocols**
- IGMPv1/v2/v3, GMRP, GVRP, SNMPv1/v2c/v3,
- DHCP Server/Client, DHCP Option 66/67/82, Bootstrap, TFTP, SMTP, RARP, RMON, HTTP, HTTPS,
- Telnet, SSH, Syslog, EtherNet/IP, PROFINET,
- Modbus/TCP, SNMP Inform, LLDP, IEEE 1588 PTP V2, IPv6, NTP Server/Client

**MIB**
- MIB-II, Ethernet-Like MIB, P-BRIDGE MIB,
- Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB
- Group 1, 2, 3, 9

**Flow Control**
- IEEE 802.3x flow control, back pressure flow control

### Interface

**RJ45 Ports**
- 8 (EDS-G508E/EDS-G512E-4GSFP) or 12 (EDS-G516E-4GSFP) 10/100/1000BaseT(X)

**Fiber Ports**
- 4-port 100/1000BaseSFP slot (EDS-G512E-4GSFP/EDS-G516-4GSFP only)

**USB Ports**
- USB console port (type B connector)
- USB storage port (type A connector)

**Button**
- Reset button

**LED Indicators**
- PWR1, PWR2, FAULT, STATE, 10/100M, 100/1000M, MSTR/HEAD, CPLR/TAIL

**Alarm Contact**
- 1 relay output with current carrying capacity of 1 A @ 24 VDC

**Digital Input**
- 1 input with the same ground, but electrically isolated from the electronics.
  +13 to +30V for state “1”
Power
Input Voltage: 12/24/48/-48 VDC, redundant dual inputs
Input Current:
- EDS-G516E: 0.46 A @ 24 VDC
- EDS-G512E: 0.4 A @ 24 VDC
- EDS-G508E: 0.33 A @ 24 VDC
Connection: 2 removable 4-contact terminal blocks
Overload Current Protection: Present
Reverse Polarity Protection: Present

Physical Characteristics
Housing: Metal, IP30 protection
Dimension: 79.2 x 135 x 137 mm (3.1 x 5.3 x 5.4 in)
Installation: DIN-rail mounting, wall mounting (with optional kit)

Environmental Limits
Operating Temperature:
- -10 to 60°C (-14 to 140°F) for standard models
- -40 to 75°C (-40 to 167°F) for -T models
Storage Temperature: -40 to 85°C (-40 to 185°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)
Altitude: Up to 2000m
Note: Please contact Moxa if you require products guaranteed to function properly at higher altitude.

Regulatory Approvals
Safety: UL 508
EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A
EMS: EN 61000-4-2 (ESD) Level 4, EN 61000-4-3 (RS) Level 3,
EN 61000-4-4 (EFT) Level 4, EN 61000-4-5 (Surge) Level 4,
EN 61000-4-6 (CS) Level 3, EN 61000-4-8
Shock: IEC 60068-2-27
Free Fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Warranty
Warranty: 5 years

Technical Support Contact Information
www.moxa.com/support

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Toll-free: 1-888-669-2872
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Fax: +86-21-5258-5505

Moxa Europe:
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Fax: +49-89-3 70 03 99-99

Moxa Asia-Pacific:
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Fax: +886-2-8919-1231

Max. input current: 8 mA
-30 to +3V for state “0”