

Ruggedized gigabit ethernet switches are built for industrial settings



Manage IoT devices with switches made for harsh environments.

Perfect for:

Connecting devices in factories, warehouses and other industrial environments.

Connecting Internet of Things (IoT) devices to networks in factories, warehouses and other industrial buildings can present challenges for network administrators. Industrial environments, such as the factory floor, often have demanding physical conditions and extremely high or low temperatures. Factory and warehouse machinery might create electrostatic discharge (ESD) that can interfere with switch operation.

Managed and lite managed industrial Gigabit Ethernet switches offer a convenient option for connecting devices in demanding environments. These switches have a ruggedized metal case, ESD protection and a wide operating temperature range to withstand high and low temperatures.

Key benefits

QUICK LAN CONNECTIONS

- Switches feature auto-negotiating Gigabit Ethernet (10/100/1000 Mbps) RJ45 ports.
- MDI/MDIX crossover detection allows the RJ45 ports to automatically detect and choose the connection required without using special crossover cables for uplinks.
- Port LEDs indicate connection and activity status.

ERROR-FREE FORWARDING

- Store-and-forward switching stores a complete frame and checks it for errors before forwarding it to its destination. Frames with errors are discarded, preventing disruptions to network traffic.

CONVENIENT NETWORK MANAGEMENT

- Managed switches (Layer 2) provide advanced monitoring and control of network traffic via CLI or web management.
- Select managed switches have additional static routing functionality with a USB port for firmware updates and a console port for connection to a computer.
- Lite managed switches have a user-friendly cloud-based Lamungan platform that enables network management via web interface or mobile app.

FIBER OPTIC UPLINKS (select models)

- SFP uplink ports accept SFP (small form-factor pluggable) transceivers that allow multiple switches to be connected to each other or the network backbone using copper or fiber optic cable.

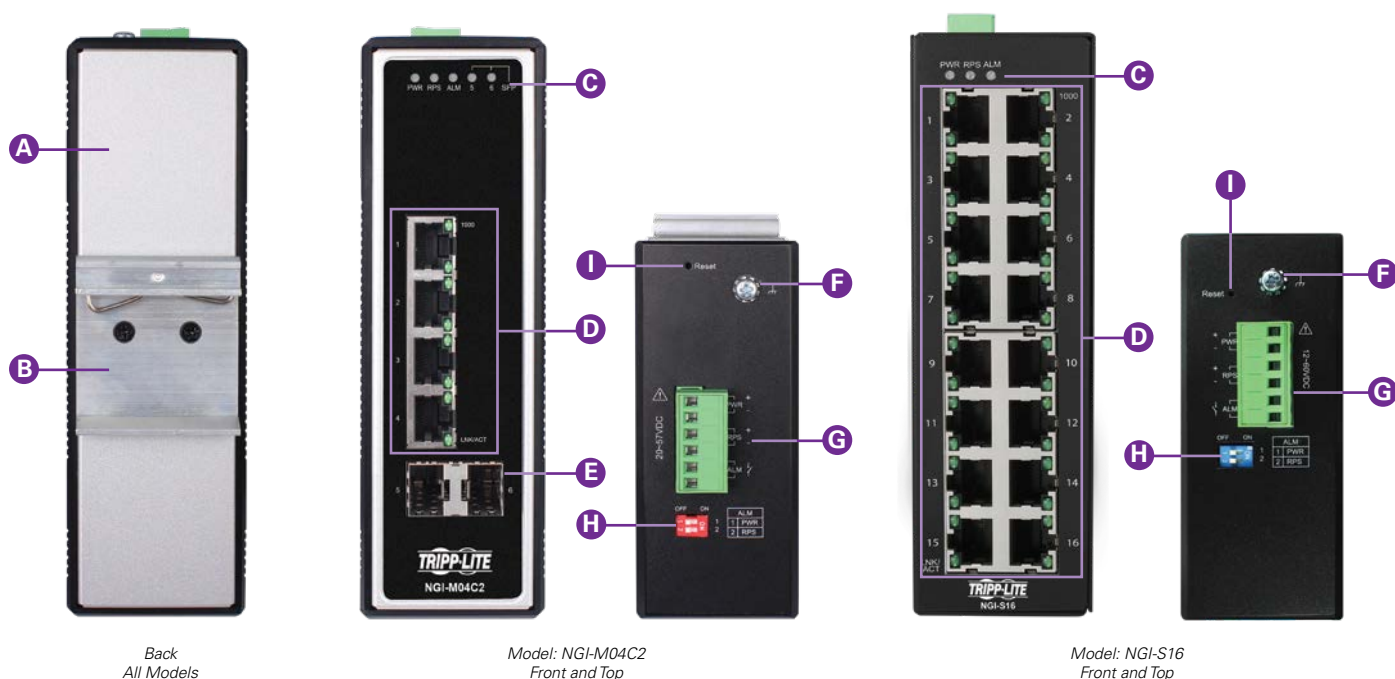
DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Ruggedized metal case withstands vibration, shock and free fall; case meets IP30 for protection from tools and wires greater than 2.5 millimeters.
- Wide operating temperature range allows equipment to function in cold and hot environments.
- ESD protection ($\pm 8\text{kV}$ air discharge, $\pm 4\text{kV}$ contact discharge) reduces potential static damage to connected equipment.
- A pre-installed rail clip mounts to a standard 35 mm DIN rail; switches also have a wall-mount option.
- A terminal block power input helps prevent unnecessary downtime. Models with a 6-pin terminal block have redundant power inputs. When used with two power sources, these switches support the wiring of the alarm relay contacts to an existing alarm circuit.

POWER FOR POE DEVICES (select models)

- PoE+ ports support Power over Ethernet to power connected PoE devices, such as IP phones, wireless access points and security cameras.

Feature focus



- A** IP30 Ruggedized Metal Case
- B** DIN Rail Bracket
- C** Power, Alarm and Status LEDs
- D** RJ45 Gigabit Ethernet Ports
- E** SFP Transceiver Ports
- F** Grounding Screw
- G** Terminal Block
- H** DIP Switches
- I** Reset Button



SPECIFICATIONS

Model	RJ45 GbE Ports	GbE SFP Slots	Switching Capacity*	Terminal Block	PoE+ Ports	USB Port & Console Port	Operating Temp. Range	Warranty
Managed Industrial Gigabit Ethernet Switches — DIN/Wall Mount								
NGI-M04C2	4	2	12 Gbps	6-Pin 20-57 VDC Redundant Power Inputs	—	—	-40° to 75°C (-40° to 167° F)	3 Years
NGI-M05-C1	5	1	12 Gbps	6-Pin 20-57 VDC Redundant Power Inputs	—	—	-40° to 75°C (-40° to 167° F)	3 Years
NGI-M08C2	8	2	20 Gbps	6-Pin 24-48 VDC Redundant Power Inputs	—	—	-40° to 75°C (-40° to 167° F)	3 Years
NGI-M08C4-L2	8	4	24 Gbps	6-Pin 12-60 VDC Redundant Power Inputs	—	Yes	-40° to 75°C (-40° to 167° F)	3 Years
NGI-M08C4POE8-2	8	4	24 Gbps	6-Pin 24-57 VDC Redundant Power Inputs	8 (≤ 30W Each**)	Yes	-40° to 75°C (-40° to 167° F)	3 Years
NGI-M08POE8-L2	8	—	16 Gbps	6-Pin 24-57 VDC Redundant Power Inputs	8 (≤ 30W Each**)	Yes	-40° to 75°C (-40° to 167° F)	3 Years
Lite Managed Industrial Gigabit Ethernet Switches — DIN/Wall Mount								
NGI-S04C2	4	2	12 Gbps	6-Pin 20-60 VDC Redundant Power Inputs	—	—	-10° to 60°C (14° to 140° F)	3 Years
NGI-S05C2POE4	5	2	14 Gbps	2-Pin	4 (≤ 30W Each**)	—	-10° to 60°C (14° to 140° F)	3 Years
NGI-S08C2POE8	8	2	20 Gbps	6-Pin 24-27 VDC Redundant Power Inputs	8 (≤ 30W Each**)	—	-10° to 60°C (14° to 140° F)	3 Years
NGI-S16	16	—	32 Gbps	6-Pin 12-60 VDC Redundant Power Inputs	—	—	-10° to 60°C (14° to 140° F)	3 Years

* Full Duplex. ** 120W total with 24VDC input or 240W with 48VDC input.

Learn more about our full line of industrial switches at triplite.com.

TRIPP-LITE
by **EATON**