8-Port Managed Industrial Gigabit Ethernet Switch - Layer 2, 1 Gbps, PoE+ 30W, 4 GbE SFP Ports, -40° to 75°C, DIN Mount, TAA

MODEL NUMBER: **NGI-M08C4POE8-2**











Expands Gigabit Ethernet connectivity in industrial network applications requiring managed switches that offer hassle-free deployment.

Highlights

- 8 auto-negotiating RJ45 and 4 GbE SFP ports connect devices over a LAN
- PoE+ ports deliver up to 30W each with a total PoE budget up to 240W
- Industrial-grade switch supports operating temperature range of -40° to 75°C
- Comes pre-loaded with Layer 2 network management software for IGMP snooping
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- NGI-M08C4POE8-2 8-Port Managed Industrial Gigabit Switch with PoE+
- DIN rail-mounting clip (pre-installed)

Features

8-Port Managed Gigabit Ethernet Switch Connects Your Network Devices to a LAN
This space-saving switch transmits data over a Gigabit Ethernet network. Eight auto-negotiating 10/100/1000 Mbps ports send data via Cat5e/6/6a cable only to the devices designated to receive it, which improves the efficiency and potential throughput of the network. The NGI-M08C4POE8-2 also features four GbE SFP slots for uplinking data to other switches via optical fiber or copper. LEDs indicate when the switch is powered on and which Ethernet ports are showing activity.

PoE+ Ports Deliver Power to Devices Without Access to AC Outlets
This managed switch features eight PoE ports capable of powering compatible PoE devices, such as VoIP phones and IP surveillance cameras, without the expense and effort of running separate power lines or installing the devices near an AC outlet. The NGI-M08C4POE8-2 provides PoE+ compatibility up to 30W per port and a PoE budget of 120W with 24VDC input or 240W with 48VDC input to satisfy your demand for high-power network devices.

Protective Metal Housing Built to Last in Harsh Environments
The compact NGI-M08C4POE8-2 adds 10/100/1000 Mbps Gigabit Ethernet capacity to industrial automation, government, military, oil and gas, mining, power/utility, security, mining, factory and warehouse applications, as well as other environments with space constraints and wide temperature ranges. The IP30 industrial-grade aluminum case withstands vibration, shock and free fall. It can also operate in extreme temperatures ranging from -40 to 75 degrees Celsius (-40 to 167 degrees Fahrenheit).

Monitors and Controls Devices via CLI and Web Configuration
The NGI-M08C4POE8-2 supports MAC address auto-learning and auto-aging for efficient routing, as well as automatic MDI/MDI-X crossover detection for plug-and-play functionality. It also supports QoS, IGMP snooping, SFP DDMI and other device management features that fulfill the needs of high-performance managed industrial networks. IEEE 802.3x flow control allows smooth transmission of large files. The switch automatically shifts unused ports to an energy-saving state without interrupting network connection.

Pre-Loaded with Standard Layer 2 Network Management Software
This switch supports IGMP snooping in IPv4 to limit the flooding of multicast traffic by dynamically configuring Layer 2 interfaces. Multicast traffic is forwarded only to those interfaces associated with IP multicast devices.

Works with the Most Popular Web Browsers
The NGI-M08C4POE8-2 is browser-based and works independently from the connected computer's operating system. Because switch compatibility is based on common hardware standards, rather than system software dependencies, the NGI-M08C4POE8-2 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Pre-Installed DIN Rail Clip Allows for Convenient Installation
The switch may be DIN mounted using the pre-installed rail clip, which mounts firmly to any standard 35 mm DIN rail. Providing seamless operation in the event of power dips or failures, the switch features redundant 6-pin 24–57VDC terminal block power inputs to help prevent unnecessary downtime. When used with two power sources, the switch also supports alarm relay contacts that you can wire to your existing alarm circuit to notify you instantly when a power disruption occurs.

TAA-Compliant for GSA Schedule Purchases
The NGI-M08C4POE8-2 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332266958
Product Type	Managed Industrial Gigabit PoE Ethernet Switch
INPUT	
Maximum Input Amps Details	6A
Voltage Compatibility (VDC)	24-57
Redundancy - Dual Power Inputs	No
Power Source	6-Pin Terminal Block
POWER	
Power Consumption (Watts)	18.00
Power Consumption Detail	258W
CONNECTIONS	
Number of Ports	8
Ports	8
Ports Detail	8x 10/100/1000Mbps
SFP Uplink Ports	4
SFP Uplink Ports Detail	4x 1000Base-X
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	240
PoE Port Description	30W maximum per port
PoE Supported Ports	8
Network Switch Ports	(8) 10/100/1000 (RJ45); (4) Dedicated SFP

PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	- PWR (Green): for Power, - ALM (Red): for PWR & RPS fails, - RPS (Green): for Power by terminal block RPS, - PoE 1~8(Green): for supplying power to PD device, - 1000(Green): for Ethernet speed 1000Mbps, - LNK/ACT (Green): for data transmitting/receiving, - SFP 9~12 (Green): for SFP port link-up, - POST (Green): Illuminated for switch is ready or running
PHYSICAL	
Primary Form Factor	DIN-Rail
Color	Black
Material of Construction	Aluminum
Form Factors Supported	DIN-Rail Mountable
Included Mounting Accessories	Yes
Unit Dimensions (hwd / in.)	6.300 x 1.970 x 4.720
Unit Dimensions (hwd / cm)	16 x 5 x 11.93
Unit Weight (lbs.)	2.15
Unit Weight (kg)	0.98
ENVIRONMENTAL	
Operating Temperature Range	-40° to 167°F (-40° to 75°C)
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
Relative Humidity	5 to 95% (non-condensing)
Operating Elevation	0-6562 ft. (0-2000 m)
ESD Protection	±8kV air discharge / ±4kV contact discharge
COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	24Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex
FEATURES & SPECIFICATIONS	
USB Specification	USB 2.0 (up to 480 Mbps)
Jumbo Frames	10000
OSI Layer	Layer 2
Console Port	Yes
MAC Auto Learning	Yes
MAC Addresses	16000
RMON	Yes

SNMP	Yes
Storm Control	Yes
DHCP Snooping	Yes
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); IEEE 802.1p CoS/QoS; IEEE 802.3 10Base-T; IEEE 802.3 Auto-Negotiation; IEEE 802.3ab 1000Base-T; IEEE 802.3af PoE; IEEE 802.3at PoE+; IEEE 802.3az (Energy Efficient Ethernet); IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; IEEE 802.3z 1000Base-SX/LX; REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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