# 8-Port Managed Industrial Gigabit Ethernet Switch - Layer 2, 10/100/1000 Mbps, 4 GbE SFP Ports, -40° to 75°C, DIN Mount, TAA

MODEL NUMBER: **NGI-M08C4-L2**



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
- Industrial-grade switch supports operating temperature range of -40° to 75°C
- Comes pre-loaded with Layer 2 network management software for IGMP snooping
- CLI or web management allows monitoring and control of each connected device
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Package Includes

- NGI-M08C4-L2 8-Port Managed Industrial Gigabit Switch
- 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-M08C4-L2 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.

**Protective Metal Housing Built to Last in Harsh Environments**
The compact NGI-M08C4-L2 adds 10/100/1000 Mbps Gigabit Ethernet capacity to industrial automation, government, military, oil and gas, 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-M08C4-L2 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-M08C4-L2 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-M08C4-L2 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 device 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 12–60VDC 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-M08C4-L2 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

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|---|---|
| **OVERVIEW** | |
| UPC Code | 037332268457 |
| Product Type | Managed Industrial Gigabit Layer 2 Ethernet Switch |
| **INPUT** | |
| Maximum Input Amps Details | 1.5A |
| Voltage Compatibility (VDC) | 12-60 |
| Redundancy - Dual Power Inputs | No |
| Power Source | 6-Pin Terminal Block |
| **POWER** | |
| Power Consumption (Watts) | 18.00 |
| Power Consumption Detail | 18W |
| **CONNECTIONS** | |
| Number of Ports | 8 |
| Ports | 8 |
| Ports Detail | 8x 10/100/1000Mbps; 1x Console |
| SFP Uplink Ports | 4 |
| SFP Uplink Ports Detail | 4x 1000Base-X |
| PoE Supported Ports | 0 |
| Network Switch Ports | (8) 10/100/1000 (RJ45); (4) Dedicated SFP; (1) Console (RJ45) |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| LED Indicators | - PWR (Green): for Power, -ALM (Red): for PWR & RPS fails, ALM (Red): for PWR & RPS fails, -RPS (Green): for Power by terminal block RPS, -1000 1~8 th (Green): for Ethernet speed 1000Mbps, -LNK/ ACT 1~8 th (Green): for data transmitting/receiving, - SFP 9~12th (Green): for SFP port link up, - POST (Green): Illuminated for switch is ready or running Blinking for self testing the device when power ON |
| **PHYSICAL** | |
| Primary Form Factor | DIN-Rail |

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|---|---|
| Color | Black |
| Material of Construction | Aluminum |
| Form Factors Supported | DIN-Rail Mountable |
| Included Mounting Accessories | Yes |
| Shipping Dimensions (hwd / in.) | 2.44 x 9.17 x 7.20 |
| Shipping Dimensions (hwd / cm) | 6.20 x 23.29 x 18.29 |
| Shipping Weight (lbs.) | 2.60 |
| Shipping Weight (kg) | 1.18 |
| 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.) | 2.09 |
| Unit Weight (kg) | 0.95 |
| **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 | 160000 |
| RMON | Yes |
| SNMP | Yes |
| Storm Control | Yes |
| DHCP Snooping | Yes |

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|---|---|
| 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 802.3az (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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