

## 8-Port Unmanaged Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, PoE+ 30W, 2 GbE SFP Slots, -40° to 75°C, DIN Mount, TAA

MODEL NUMBER: NGI-U08C2POE8



Industrial-grade switch expands Ethernet connectivity to factory floors and other environments with space constraints and wide temperature ranges.

### Features

#### 8-Port Unmanaged Gigabit Ethernet Switch Connects Your Devices to a LAN

This space-saving Power over Ethernet (PoE) switch transmits both power and data over a Gigabit Ethernet network. Eight auto-negotiating 10/100/1000 Mbps ports send data only to the devices designated to receive it, which improves the efficiency and potential throughput of the network. The NGI-U08C2POE8 also features two GbE SFP slots for uplinking data to other switches via optical fiber or copper.

#### PoE+ Ports Deliver Power to Devices Without Access to AC Outlets

This unmanaged switch features eight PoE ports capable of powering compatible devices, such as cameras, sensors, clocks, digital signage and wireless access points, without the need to run separate power lines or install the devices near an AC outlet. The NGI-U08C2POE8 provides PoE+ compatibility up to 30W per port and a PoE budget of 120W at 24VDC or 240W at 48VDC.

#### Ruggedized Metal Housing Built to Last in Harsh Environments

The compact NGI-U08C2POE8 adds 10/100/1000 Mbps Gigabit Ethernet capacity to your industrial and commercial applications, such as factory floors, warehouse operations and other environments with space constraints and wide temperature ranges. The industrial-grade high-strength 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).

#### Unmanaged Switch Requires Little to No Configuration

Quickly connect your network devices with little to no configuration. LEDs indicate when the switch is powered on and which Ethernet ports are showing activity. The NGI-U08C2POE8 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. IEEE 802.3x flow control allows smooth transmission of large files. A DIP switch supports an alarm relay output in which you can connect an alarm light or buzzer.

#### Works with the Most Popular Web Browsers

The NGI-U08C2POE8 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-U08C2POE8 accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

### Highlights

- 8 auto-negotiable RJ45 and 2 GbE SFP ports connect devices over a LAN
- PoE+ ports deliver up to 30W each with a 240W total PoE budget @ 48VD
- Industrial-grade switch supports operating temperature range of -40° to 75°C
- Plug-and-play operation with no software or configuration required before use
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Applications

- Expand reliable Gigabit Ethernet connectivity to factory floors and outdoor environments with space constraints and wide temperature ranges
- Deliver power to PoE devices, including security cameras and wireless access points, mounted in areas that are difficult to reach or have no electrical outlets

### Package Includes

- NGI-U08C2POE8 8-Port Unmanaged Industrial Gigabit Switch
- DIN rail-mounting clip (pre-installed)
- Owner's manual



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#### 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. A 6-pin 24–57VDC terminal block supplies power input.

#### TAA-Compliant for GSA Schedule Purchases

The NGI-U08C2POE8 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                          | 037332266040                                                                                                                                                                                                                                                                                                              |
| Product Type                      | Industrial-Grade Switch                                                                                                                                                                                                                                                                                                   |
| INPUT                             |                                                                                                                                                                                                                                                                                                                           |
| Maximum Input Amps Details        | Maximum of 6A                                                                                                                                                                                                                                                                                                             |
| Voltage Compatibility (VDC)       | 24-57                                                                                                                                                                                                                                                                                                                     |
| Power Source                      | 6-Pin Terminal Block                                                                                                                                                                                                                                                                                                      |
| POWER                             |                                                                                                                                                                                                                                                                                                                           |
| Power Consumption (Watts)         | 14.00                                                                                                                                                                                                                                                                                                                     |
| Power Consumption Detail          | 254w                                                                                                                                                                                                                                                                                                                      |
| CONNECTIONS                       |                                                                                                                                                                                                                                                                                                                           |
| Number of Ports                   | 8                                                                                                                                                                                                                                                                                                                         |
| Ports                             | 8                                                                                                                                                                                                                                                                                                                         |
| Ports Detail                      | 8- RJ-45F (10/100/1000Mbps) with PoE+                                                                                                                                                                                                                                                                                     |
| SFP Uplink Ports                  | 2                                                                                                                                                                                                                                                                                                                         |
| SFP Uplink Ports Detail           | 2 - SFP (100Base-FX/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)                                                                                                                                                                                                                                                                                                    |
| PoE Type                          | Type 2 PoE+ (30W, IEEE 802.3at)                                                                                                                                                                                                                                                                                           |
| USER INTERFACE, ALERTS & CONTROLS |                                                                                                                                                                                                                                                                                                                           |
| LED Indicators                    | 1- PWR(Green): for Power; 2- RPS (Green): for Redundant Power; 3- ALM (Rad) : for Primary Power or Low I/P voltage; 4- PoE1~8 (Green): for supplying power to PD device; 5- 1000(Green): for Ethernet speed 1000Mbps; 6- LNK/ACT(Green): for data transmitting/receiving; 7- SFP (Green): for data transmitting/receiving |
| PHYSICAL                          |                                                                                                                                                                                                                                                                                                                           |



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|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| Primary Form Factor                  | DIN-Rail                                    |
| Color                                | Black                                       |
| Material of Construction             | Aluminum casing                             |
| Form Factors Supported               | DIN-Rail Mountable                          |
| 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.)               | 2.34                                        |
| Shipping Weight (kg)                 | 1.06                                        |
| Unit Dimensions (hwd / in.)          | 1.970 x 6.300 x 4.720                       |
| Unit Dimensions (hwd / cm)           | 16 x 5 x 11.93                              |
| Unit Weight (lbs.)                   | 2.03                                        |
| Unit Weight (kg)                     | 0.92                                        |
| <b>ENVIRONMENTAL</b>                 |                                             |
| Operating Temperature Range          | -40°F 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 |
| <b>COMMUNICATIONS</b>                |                                             |
| Network Compatibility                | 1 Gbps (Gigabit)                            |
| Network Compatibility Details        | Auto-negotiable                             |
| Switching Capacity                   | 20 Gbps                                     |
| Switching Capacity Details           | 1 Gbps per port with full duplex            |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                                             |
| Jumbo Frames                         | 10000                                       |
| Console Port                         | No                                          |
| MAC Auto Learning                    | Yes                                         |
| MAC Addresses                        | 8000                                        |
| RMON                                 | No                                          |
| SNMP                                 | No                                          |
| Storm Control                        | No                                          |
| DHCP Snooping                        | No                                          |
| Auto MDI/MDIX Crossover Detection    | Yes                                         |
| Fans (Type/Quantity)                 | Fanless                                     |



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| STANDARDS & COMPLIANCE              |                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Compliance                  | RoHS; CE (Europe); IEEE 802.1p Class of Service (Europe); 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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