

## 4-Port Lite Managed Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, 4x PoE+ 30W, 2x SFP Ports, -10° to 60°C, DIN Mount, TAA

MODEL NUMBER: NGI-S04C2P4-4



Industrial-grade PoE networking for outdoor or harsh environments.

### Features

#### 4-Port Smart Gigabit Ethernet Switch Connects Your Network Devices to a LAN

This Lite Managed switch transmits both power and data over a Gigabit Ethernet network. Four auto-negotiating 10/100/1000 Mbps ports with Power over Ethernet (PoE) 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-S04C2P4-4 also features two GbE SFP slots for uplinking data to other switches via optical fiber. LEDs indicate power, alarm, PoE, link/activity and SFP status.

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

This smart switch features four PoE ports capable of powering compatible PoE appliances, such as VoIP phones, IP surveillance cameras, WAPs and IoT (Internet of Things) devices, without the expense and effort of running separate power lines or installing the devices near an AC outlet. The NGI-S04C2P4-4 provides PoE+ compatibility up to 30W per port and a PoE budget of 120W with 48–57 VDC input to satisfy your demand for high-power network devices.

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

The hardened NGI-S04C2P4-4 adds 10/100/1000 Mbps Gigabit Ethernet capacity to production environments, telecommunication applications, security systems and building management systems that demand high bandwidth convergence, as well as other environments with space constraints and wide temperature ranges. The IP30 industrial-grade case withstands vibration, shock and free fall. It can also operate in extreme temperatures ranging from -10 to 60 degrees Celsius (14 to 140 degrees Fahrenheit).

#### Manages and Monitors Devices via Innovative Management Platform

The Lite Managed switch's user-friendly platform helps you manage your network via web interface. Three distinctive features help you monitor connected devices, real-time traffic and link information. The Wizard is a set-up assistant that guides you step-by-step through initial management. The Topology Map with visual connectivity diagram displays network infrastructure and highlights link status. The Dashboard provides important performance and traffic-related information. A tri-color scheme – red (critical), yellow (alert), green (normal) – keeps you up to date on any network irregularities.

#### Intelligent Connection Technology Ensures Plug-and-Play Operability

The NGI-S04C2P4-4 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 advanced Layer 2 features, including VLAN, QoS, IGMP snooping, storm control, security protocols and other device

### Highlights

- 4 auto-negotiable RJ45 and 2 SFP uplink ports connect industrial devices over a LAN
- PoE+ ports deliver up to 30W each for IP cameras, wireless APs and IoT devices
- Industrial grade with IP30 housing supports temperatures ranging from -10° to 60°C
- Intuitive dashboard and GUI allow easy configuration in less than 5 minutes
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Package Includes

- NGI-S04C2P4-4 4-Port Lite Managed Industrial Gigabit Ethernet Switch
- DIN rail-mounting clip (pre-installed)
- Terminal block (pre-installed)
- RJ45 and SFP port dust caps (to protect unused ports)
- Quick Start Guide



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management features that fulfill the needs of high-performance managed industrial networks. IEEE 802.3x flow control permits smooth transmission of large files. The intuitive dashboard and GUI allow easy configuration in less than five minutes.

**Works with the Most Popular Web Browsers**

The NGI-S04C2P4-4 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-S04C2P4-4 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 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-S04C2P4-4 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	037332297211
Product Type	Smart Gigabit PoE Industrial Ethernet Switch
INPUT	
Maximum Input Amps Details	6A
Voltage Compatibility (VDC)	48-57VDC
Redundancy - Dual Power Inputs	Yes
Power Source	6-Pin Terminal Block
POWER	
Power Consumption (Watts)	10.00
CONNECTIONS	
Number of Ports	4
SFP Uplink Ports	2
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	120
PoE Port Description	4 x 10/100/1000BASE-T (PoE RJ45)
PoE Supported Ports	4
Network Switch Ports	10/100/1000 (RJ45)
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)

<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	LEDs x 14 : - PWR(Green): for Power - ALM(Red): for PWR & RPS fails - RPS(Green): for Power by terminal block RPS - PoE 1~4th (Green): for supplying power to PD device - 1000 1~4th (Green): for Ethernet speed 1000Mbps - LNK/ACT 1~4th (Green): for data transmitting/receiving - SFP 5~6th (Green): for speeds at 1000Mbps
<b>PHYSICAL</b>	
Primary Form Factor	DIN-Rail
Color	Black
Material of Construction	Metal
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.)	2.20
Shipping Weight (kg)	1.00
Unit Dimensions (hwd / in.)	6.300 x 1.970 x 4.720
Unit Dimensions (hwd / cm)	16 x 5 x 11.88
Unit Weight (lbs.)	1.920
Unit Weight (kg)	0.87
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	14°F to 140°F (-10°C to 60°C)
Storage Temperature Range	-40° to 185°F (-40° to 85°C)
Relative Humidity	5% to 95% (Non-Condensing)
ESD Protection	±8kV air discharge / ±4kV contact discharge
<b>COMMUNICATIONS</b>	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	12Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex
<b>FEATURES &amp; SPECIFICATIONS</b>	
DIN Mountable	Yes
Jumbo Frames	10
OSI Layer	Layer 2



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MAC Auto Learning	Yes
MAC Addresses	8
RMON	Yes
SNMP	Yes
Storm Control	Yes
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Compliance	CE (Europe); IEEE 802.3 10Base-T; IEEE 802.3ab 1000Base-T; IEEE 802.3af PoE; IEEE 802.3at PoE+; IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; IEEE 802.3z 1000Base-SX/LX; RoHS; Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty

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