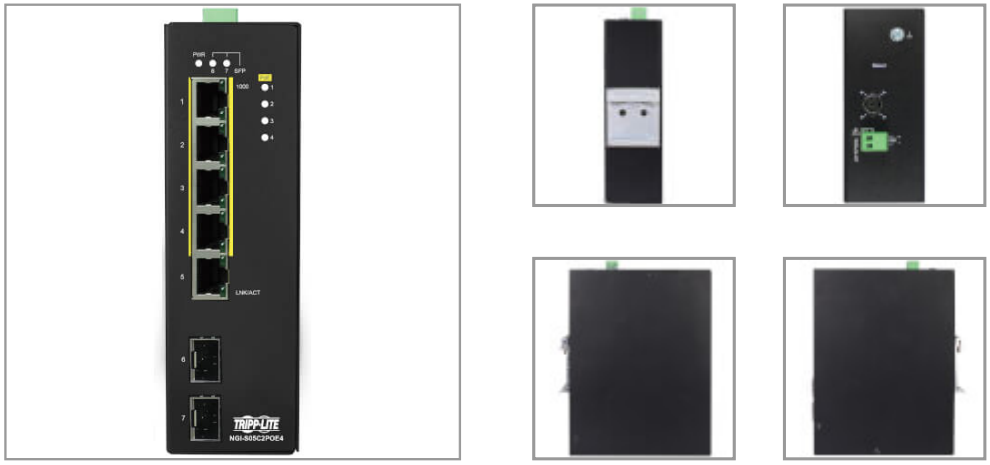
5-Port Lite Managed Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, PoE+ 30W, 2 GbE SFP Slots, -10° to 60°C, DIN Mount, TAA

MODEL NUMBER: **NGI-S05C2POE4**



Lite Managed switch expands 1G Ethernet connectivity to warehouses and other environments with space constraints and wide temperature ranges.

Highlights

- 5 auto-negotiable RJ45 and 2 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 -10° to 60°C
- Cloud-based Lamungan platform lets you manage devices via web or mobile app
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- NGI-S05C2POE4 5-Port Lite Managed Industrial Gigabit Ethernet Switch
- DIN rail-mounting clip (pre-installed)

Features

5-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. Five 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-S05C2POE4 also features two 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 smart switch features four PoE ports capable of powering compatible PoE appliances and 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-S05C2POE4 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 hardened NGI-S05C2POE4 adds 10/100/1000 Mbps Gigabit Ethernet capacity to industrial automation, security, government, military, oil and gas, mining and outdoor applications that demand high bandwidth convergence, 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 -10 to 60 degrees Celsius (-14 to 140 degrees Fahrenheit).

Manages and Monitors Devices via Innovative Lamungan Management Platform
The Lite Managed switch's user-friendly cloud-based Lamungan platform helps you manage your network via web interface or mobile app. Three different 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-S05C2POE4 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 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.

Works with the Most Popular Web Browsers
The NGI-S05C2POE4 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-S05C2POE4 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-S05C2POE4 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	037332267009
Product Type	Smart Hardened Gigabit PoE Ethernet Switch
INPUT	
Maximum Input Amps Details	6A
Voltage Compatibility (VDC)	24-57
Redundancy - Dual Power Inputs	Yes
Power Source	2-Pin Terminal Block
POWER	
Power Consumption (Watts)	14.00
Power Consumption Detail	System 14W/ PoE Power budget 120W
CONNECTIONS	
Number of Ports	5
Ports	5
Ports Detail	5x 10/100/1000Mbps
SFP Uplink Ports	2
SFP Uplink Ports Detail	2x 100Base-FX/1000Base-X
PoE Capability	30W (802.3at)
PoE Power Budget (Watts)	120

PoE Port Description	30W maximum per port
PoE Supported Ports	4
Network Switch Ports	(5) 10/100/1000 (RJ45); (2) Dedicated SFP
PoE Type	Type 2 PoE+ (30W, IEEE 802.3at)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	- PWR (Green): for Power, - PoE1~4 (Green): for supplying power to PD device, -1000 1~5th (Green): for Ethernet speed 1000Mbps, - LNK/ACT 1~5th (Green): for data transmitting/receiving, - SFP 6~7th (Green): for data transmitting/receiving
PHYSICAL	
Primary Form Factor	DIN-Rail
Color	Black
Material of Construction	Metal Housing
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 11.98
Unit Weight (lbs.)	1.9
Unit Weight (kg)	0.86
ENVIRONMENTAL	
Operating Temperature Range	-14° to 140°F (-25° to 60°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	14Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex
FEATURES & SPECIFICATIONS	
Jumbo Frames	10000
Console Port	No
MAC Auto Learning	Yes
MAC Addresses	8000

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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