16-Port Lite Managed Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, -10° to 60°C, DIN Mount

MODEL NUMBER: **NGI-S16**

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

Features

16-Port Smart Gigabit Ethernet Switch Connects Your Network Devices to a LAN
This Lite Managed switch transmits data over a Gigabit Ethernet network. Sixteen 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. 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 hardened NGI-S16 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-S16 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-S16 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

Highlights

- 16 auto-negotiable 10/100/1000 Mbps RJ45 ports connect devices over a LAN
- 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
- Ideal for applications that demand high bandwidth convergence, such as IP security
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- NGI-S16 16-Port Lite Managed Industrial Gigabit Ethernet Switch
- DIN rail-mounting clip (pre-installed)

software dependencies, the NGI-S16 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 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-S16 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	037332266989
Product Type	Smart Hardened Gigabit 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)	12.00
Power Consumption Detail	12W

USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	- PWR (Green): for Power, ALM (Red): for PWR & RPS fails, - RPS (Green): for Power by terminal block RPS, - 1000 1~16th (Green): for Ethernet speed 1000Mbps, - LNK/ACT 1~16th (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 11.93

Unit Weight (lbs.)	2.01
Unit Weight (kg)	0.91

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 (m)	2000
ESD Protection	±8kV air discharge / ±4kV contact discharge

COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
Network Compatibility Details	Auto-negotiable
Switching Capacity	32Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex

CONNECTIONS	
Number of Ports	16
Ports	16
Ports Detail	16x 10/100/1000Mbps
SFP Uplink Ports	0
PoE Supported Ports	0
Network Switch Ports	(16) 10/100/1000 (RJ45)

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 802.3az (Energy Efficient Ethernet); IEEE 802.3u 100Base-TX/FX; IEEE 802.3x Flow Control; REACH; FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty