5-Port Managed Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, GbE SFP Slot, -40° to 75°C, DIN Mount, TAA

MODEL NUMBER: **NGI-M05-C1**



Industrial-grade switch expands 1G Ethernet connectivity to factory floors and other environments with space constraints and wide temperature ranges.

Highlights

- 5 auto-negotiable RJ45 and a GbE SFP port connect devices over a LAN
- RJ45 ports can be repurposed as a console port for access to command line interface
- Industrial-grade switch supports operating temperature range of -40° to 75°C
- Easy-to-read LEDs indicate connection and activity status for each port
- CLI or web management allows monitoring and control of each connected device

Package Includes

- NGI-M05-C1 5-Port Managed Industrial Gigabit Switch
- DIN rail-mounting clip (pre-installed)

Features

5-Port Managed Gigabit Ethernet Switch Connects Your Network Devices to a LAN
This space-saving switch transmits 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-M05-C1 also features a GbE SFP slot 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-M05-C1 adds 10/100/1000 Mbps Gigabit Ethernet capacity to industrial automation, government, military, oil and gas, mining and outdoor 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-M05-C1 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.

Works with the Most Popular Web Browsers
The NGI-M05-C1 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-M05-C1 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 20–57VDC 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-M05-C1 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	037332266583
Product Type	Managed Industrial Gigabit Ethernet Switch
INPUT	
Maximum Input Amps Details	0.35A
Voltage Compatibility (VDC)	20-57
Redundancy - Dual Power Inputs	No
Power Source	6-Pin Terminal Block
POWER	
Power Consumption (Watts)	10.00
Power Consumption Detail	10W
CONNECTIONS	
Number of Ports	5
Ports	5
Ports Detail	5x 10/100/1000Mbps
SFP Uplink Ports	1
SFP Uplink Ports Detail	100Base-FX/1000Base-X
PoE Supported Ports	0
Network Switch Ports	(5) 10/100/1000 (RJ45); (1) Dedicated SFP
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 1~5th (Green): for Ethernet speed 1000Mbps, - LNK/ACT 1~5 th (Green): for data transmitting/receiving, - SFP 6th (Green): for speeds at 1000Mbps
PHYSICAL	
Primary Form Factor	DIN-Rail
Color	Black
Material of Construction	Metal Housing
Form Factors Supported	DIN-Rail Mountable
Included Mounting Accessories	Yes

Shipping Weight (kg)	0.67
Unit Dimensions (hwd / in.)	5.360 x 1.200 x 4.100
Unit Dimensions (hwd / cm)	13.6 x 3 x 10.4
Unit Weight (lbs.)	1.17
Unit Weight (kg)	0.53
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	12Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex
FEATURES & SPECIFICATIONS	
Jumbo Frames	10000
OSI Layer	Layer 2
Console Port	Yes
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; 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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