5-Port Unmanaged Industrial Gigabit Ethernet Switch - 10/100/1000 Mbps, Ruggedized, -40° to 75°C, EIP QoS, DIN/Wall Mount, TAA

MODEL NUMBER: **NGI-U05E**



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

Highlights

- 5 auto-negotiable 10/100/1000 Mbps RJ45 ports connect devices over a LAN
- EIP QoS control mechanism, widely used for Ethernet/IP data stream
- Industrial-grade switch supports operating temperature range of -40° to 75°C
- Easy-to-read LEDs indicate connection and activity status for all Ethernet ports
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- NGI-U05E 5-Port Unmanaged Industrial Gigabit Ethernet Switch
- DIN rail-mounting clip (pre-installed)
- Wall-mounting bracket (pre-installed)
- Owner's manual

Features

5-Port Unmanaged Gigabit Ethernet Switch Connects Your Devices to a LAN
This space-saving switch with EIP QoS transmits data over a Gigabit Ethernet network. Five 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.

Ethernet/IP Quality of Service (EIP QoS)
The EIP QoS control mechanism is widely used for Ethernet/IP data streams. Based on the application requirements, this feature helps provide different priorities for different users or data streams. This helps ensure that the performance of data streams deliver at a certain level. ***Note****: While NGI-U05E does support QoS, the feature is handled automatically by our product. If you want to control network traffic flow or prioritize specific ports to your personal preference, you must use a router in your network with a QoS tool to achieve this level of control.*

Ruggedized Metal Housing Built to Last in Harsh Environments
The compact NGI-U05E 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-U05E 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.

Works with the Most Popular Web Browsers
The NGI-U05E 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-U05E accommodates most platforms. Preferred web browsers include Google Chrome (on both Windows and macOS) and Microsoft Edge (Windows only).

Flexible Mounting Options
The open-type device may be DIN mounted using the pre-installed rail clip, which mounts firmly to any standard 35 mm DIN rail. It may also be wall mounted vertically or horizontally using the rear mounting holes. A 3-pin 12–48VDC terminal block supplies power input. Device power must be supplied by SELV circuit.

TAA-Compliant for GSA Schedule Purchases
The NGI-U05E 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	037332281517
Product Type	Unmanaged Industrial Gigabit Ethernet Switch
INPUT	
Maximum Input Amps Details	Maximum of 0.2A DC. The device shall be supplied by SELV circuit.
Voltage Compatibility (VDC)	From 12~48
Power Source	3-Pin Terminal Block
POWER	
Power Consumption (Watts)	3.00
Power Consumption Detail	3
CONNECTIONS	
Number of Ports	5
Ports	5
Ports Detail	5x 10/100/1000BASE-T
Network Switch Ports	(5) 10/100/1000 (RJ45)
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	1- Power ON/OFF (GREEN), 2- 100Mbps(GREEN) for Ethernet speed 10/100Mbps & Data Transmitting/Receiving, 3- 1000 (GREEN) for Ethernet speed 1000Mbps & Data Transmitting/Receiving
PHYSICAL	
Primary Form Factor	DIN-Rail; Wall-mount
Color	Black
Material of Construction	Aluminum casing
Form Factors Supported	Din-Rail or Wall Mountable
Included Mounting Accessories	Y
Shipping Dimensions (hwd / in.)	2.44 x 5.04 x 9.33

Shipping Dimensions (hwd / cm)	6.20 x 12.80 x 23.70
Shipping Weight (lbs.)	0.68
Shipping Weight (kg)	0.31
Unit Dimensions (hwd / in.)	4.300 x 0.920 x 2.910
Unit Dimensions (hwd / cm)	10.9 x 2.2 x 7.3
Unit Weight (lbs.)	0.42
Unit Weight (kg)	0.19
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	10Gbps
Switching Capacity Details	1Gbps Per Port with Full Duplex
FEATURES & SPECIFICATIONS	
Jumbo Frames	9000
Console Port	No
MAC Auto Learning	Yes
MAC Addresses	2000
RMON	No
SNMP	No
Storm Control	Yes
DHCP Snooping	No
Auto MDI/MDIX Crossover Detection	Yes
Fans (Type/Quantity)	Fanless
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); IEEE 802.3 10Base-T; IEEE 802.3 Auto-Negotiation; 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

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