Product Banner

Company Logo

N-Tron® 1003GX2-LX-10 Unmanaged 3-port Gigabit Industrial Ethernet Switch

Item number: 1003GX2-LX-10

The N-Tron® Unmanaged 3-port Gigabit Industrial Ethernet Switch meets data acquisition needs easily. Durable metal case has a compact footprint. Plug-and-play operation makes setup easy. Uncompromising performance for high-speed layer 2 switching in harsh industrial environments. One 10/100/1000 BaseT RJ-45 port + two 1000BaseLX singlemode, 10km SFP transceivers.

Ruggedized unmanaged gigabit switch for data acquisition with 2 NTSFP-LX-10 singlemode fiber transceivers

Features and benefits

Reliable data communication in harsh settings

Store-and-forward technology with full wire speed communication. Ideal for mission-critical data acquisition, security surveillance, control and Ethernet I/O applications.

Automatic speed control and duplex operation for RJ-45 port

Built-in RJ45 port with MDIX auto cable sensing, speed automation and flow control, as well as ful/half duplex operation. Maximum switch throughput up to 6.0 Gb/s.

Designed for harsh environments

Uncompromising performance and maximum uptime in extreme industrial settings. Operating temperature of -40 °C to 85 °C. Over 2M hours MTBF.

LED status monitoring

LED indicator lights display the link status and activity of each port.

Redundant power inputs

Redundant power inputs (10-30 VDC) with built-in surge protection.

Connectivity through three Gigabit ports

Auto-sensing Gigabit ports for copper and fiber connectivity. One 10/100/1000BaseT RJ-45 port and two 1000BaseLX fiber SFP transceiver ports.

Compact, ruggedized DIN-rail mountable enclosure

Housed in a rugged 35mm DIN-rail mountable metal enclosure. Compact and space-saving design for easy installation. Case dimensions: 10.2cm x 2.6cm x 9.4cm.

Secure access control with MAC address support

Supports up to 1,024 MAC addresses.

Leading compliance certifications

Certified UL Class I, Division 2 rating and CE approval. IEEE 1613, IEEE 802.3, 802.3u, 802.3z and 802.3ab and ABS compliant. Extended environmental specifications.

HMS

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General

Net Weight (g)	770.1
Packed Weight (g)	770.1
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10% to 95% (Non Condensing)
Input Voltage (V)	10-30 VDC
Maximum Installation Altitude (m)	3048
Mounting	DIN rail mount (bracket included)
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	1003GX2-LX-10
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	1x RJ45, 2x SFP LC Duplex Gigaabit Fiber Ports
Top Wiring Clearance (mm)	25.4

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Physical Features

Front Wiring Clearance (mm)	101.6
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 6.0 Gb/s

Certifications and Standards

RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	Yes
KC	No
Mean Time Before Failure (MTBF)	>2,000,000 hours