



N-Tron® 1005TX

Unmanaged 5-port Gigabit Industrial Ethernet Switch

Item number: 1005TX

The N-Tron® Unmanaged 5-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. Five 10/100/1000 BaseT RJ-45 ports.



Ruggedized unmanaged gigabit switch for data acquisition, control and Ethernet I/O applications

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 ports**
Built-in RJ45 ports with MDIX auto cable sensing, speed automation and flow control, as well as full/half duplex operation. Maximum switch throughput up to 10.0 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 five Gigabit ports**
Auto-sensing Gigabit ports for copper connectivity. Five 10/100/1000BaseT RJ-45 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 4,000 MAC addresses.
- ✓ **Leading compliance certifications**
Certified UL Class I, Division 2 rating and CE approval. IEEE 1613, IEEE 802.3, 802.3u and 802.3ab, EN 50155, EN 50121 and EN 61373 Rail and ABS compliant. Extended environmental specifications.

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General	
Net Weight (g)	270
Packed Width (mm)	152.4
Packed Height (mm)	101.6
Packed Depth (mm)	203.2
Packed Weight (g)	771
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)
Power Consumption (W)	5.52
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	1005TX
Country of Origin	United States of America (the)

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Identification and Status

HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	5x RJ45
Top Wiring Clearance (mm)	25.4
Front Wiring Clearance (mm)	50.8
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 10.0 Gb/s
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Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	Yes
KC	No

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Certifications and Standards

Mean Time Before Failure (MTBF)	>2,000,000 hours
Vibration and Shock	Shock: 200 g @ 10 ms; Vibration: 50 g, 10-200 Hz, triaxial