

N-Tron[®] 1008TX Unmanaged 8-port Gigabit Industrial Ethernet Switch

Item number: 1008TX

The N-Tron[®] Unmanaged 8-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. Eight 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 high bandwidth applications and deployment in industrial settings.
- ✓ **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 16.0 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 power and connectivity conditions.
- ✓ **Redundant power inputs**
Redundant power inputs (10-49 VDC) with built-in surge protection.
- ✓ **Connectivity through eight Gigabit ports**
Auto-sensing Gigabit ports for copper connectivity. Eight 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: 11.73cm x 3.84cm x 10.36cm.
- ✓ **Secure access control with MAC address support**
Supports up to 8,000 MAC addresses.
- ✓ **Leading compliance certifications**
Certified UL Class I, Division 2 rating and CE approval. IEEE 1613, IEEE 802.3, 802.3u and 802.3b, EN 50155, EN 50121 and EN 61373 Rail and ABS compliant. Extended environmental specifications.

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General

| | |
|-----------------------------------|-----------------------------------|
| Net Weight (g) | 420 |
| Packed Width (mm) | 215.9 |
| Packed Height (mm) | 127 |
| Packed Depth (mm) | 215.9 |
| Packed Weight (g) | 700 |
| 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) | 6 |
| Input Voltage (V) | 10-49 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 | 1008TX |
| 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 | 8x 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 16 Gb/s |
|---------------------|---------------|

Certifications and Standards

| | |
|---------------------|------|
| Protection Class IP | IP20 |
| RoHS Compliant | Yes |
| CE | Yes |
| FCC | Yes |
| UKCA | No |
| UL | Yes |
| ATEX | No |
| DNV | No |
| KC | No |

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Certifications and Standards

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