Company Logo

N-Tron® NT4008 Gigabit 8-port Managed Industrial Ethernet PROFINET Switch

Item number: NT-4008-000-PN-M

The N-Tron® NT4008 Gigabit 8-port Managed Industrial Ethernet PROFINET Switch allows you to process more data from more devices in real time. The Layer 2 switch is certified to meet PROFINET PNIO v2.34 conformance class B (CC-B), RT Class 1 standards. Its 8 ports offer instantaneous data exchange, alarms and diagnostics through PROFINET tools, MRP manager.

The power of PROFINET real-time data exchange meets performance and trusted reliability

Features and benefits

✓ **Seamless integration into PROFINET networks**

Certified to meet PROFINET PNIO v2.34 conformance class B (CC-B), RT Class 1 standards. Connect using a standard PROFINET PLC configuration and management tools.

✓ **Automatic speed and flow control**

MDIX auto-sensing cable automates speed and flow control through all ports for maximum throughput (up to 16.0 Gb/s).

✓ **Extensive industry certifications**

IEEE 802.3 compliant. Compliance and certifications include UL Class I, Division 2 rating, ATEX safety, EN 50155, EN 50121, EN 61373 Rail and ABS Type approval for shipboard applications.

✓ **Designed with network redundancy to maximize uptime**

Maximize uptime and keep operations running without interruption with MRP and STP/RSTP/MSTP protocols, loop protection and Proprietary Ring and Chain with <20ms heal time. Switch can operate as an MRP client (MRC) or manager (MRM).

✓ **Redundant DC power inputs**

Redundant power inputs (12-58 VDC).

✓ **Reliable connectivity to industrial data**

Connect devices to up to eight 10/100/1000BaseTX RJ-45 ports that support full/half duplex operation.

✓ **Rugged and durable design**

Operates in extreme temperatures from -40° C to 75° C, includes high shock and vibration tolerance and ESD and surge protection. Designed to provide years of reliable performance in industrial conditions.

✓ **Robust security and management features**

Features include DHCP Server, SNMP v1/v2c/v3, IGMP v1/v2/v3, LLDP, MRP, RSTP, MSTP, Fast Ring and Chain protocols, MAC/IP port security, Syslog, NTP, LACP/LAG, port mirroring and Multicast/Broadcast storm protection.

✓ **Switch status monitoring and LED indicators**

LED indicators are configurable to indicate link and activity status and port speed.

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General

Net Weight (g)	1156.6596
Packed Weight (g)	1156.6596
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5% to 95% (Non-Condensing)
Input Voltage (V)	12-58 VDC
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included), Panel mount
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	NT-4008-000-PN-M
Country of Origin	Taiwan (Province of China)
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	8x RJ45
Top Wiring Clearance (mm)	50.8

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Physical Features

Front Wiring Clearance (mm)	50.8
LAN Specification	1024
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 16.0 Gb/s

Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No
Mean Time Before Failure (MTBF)	300k hours
Vibration and Shock	Vibration: IEC 60068-2-27: 50 g @ 11 ms Tri-Axle, IEC 60068-2-32: Test Ed: Free Fall; Shock: IEC 60068-2-6: 2 g @ 5-500 Hz 2 g Tri-Axle