

N-Tron® NT-116 Unmanaged 16-Port Industrial Ethernet Switch

Item number: NT-116-0000-0000

The N-Tron® 16-Port Unmanaged Industrial Ethernet Switch delivers data acquisition, Ethernet I/O and process control needs. The NT116 provides 16 high-performance 10/100BaseTX copper ports with full wire speed communications in a compact, rugged industrial metal enclosure. Exceptional reliability and performance for a range of mission-critical applications.



Dependable unmanaged 16-port industrial Ethernet switch ideal for harsh conditions

Features and benefits

- ✓ **Gather industrial data effectively**
Store-and-forward technology with up to 3.2 Gb/s throughput and minimum downtime for robust network support.
- ✓ **Automatic speed and flow control**
Automatically negotiates and configures speed and flow control of the RJ-45 ports.
- ✓ **Designed for industrial settings**
Extended tolerances to shock, vibration, temperature fluctuations and noise—common elements in industrial applications. Over 1.2 million hours MTBF.
- ✓ **Leading certifications for industrial environments**
IEEE 802.3 compliant. Compliance and certifications include UL Class I, Division 2 rating, ATEX and IECEx safety, EN 50155, EN 50121, EN 61373 Rail and ABS Type approval for shipboard applications. Operating temperature of -40 °C to 85 °C.
- ✓ **Connectivity through 16 auto-sensing ports**
Sixteen 10/100BaseTX RJ-45 ports with MDIX auto-sensing cable. Supports full/half duplex operation.
- ✓ **Metal DIN-rail enclosure**
Slim, space-saving design with a hardened metal DIN-rail mountable enclosure. Optional panel mount kit.
- ✓ **LED status monitoring**
LED indicator lights display the link status and activity of each port and power on/off status.
- ✓ **Redundant DC power inputs**
Redundant DC power inputs (10-49 VDC) for increased reliability. ESD and surge protection on all ports.

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General	
Related Accessories	NT-CPMA-03-00000, NTPS-24-1-3
Net Weight (g)	800
Packed Width (mm)	2159
Packed Height (mm)	1333
Packed Depth (mm)	2222
Packed Weight (g)	1050
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)	10–49 VDC
Reverse Polarity Protection	Yes
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	NT-116-0000-0000

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Identification and Status

Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	16x RJ45
Top Wiring Clearance (mm)	50.8
Front Wiring Clearance (mm)	50.8
SD Card Slot	No
Contains Battery	No

Safety and Security

Safety Standards	UL 61010 & CSA C22.2 No. 61010-1; UL 121201 & CSA C22.2 No. 213; ATEX II 3 G Ex ec IIC T4 Gc (UL 23 ATEX 3128X); IECEx Ex ec IIC T4 Gc (UL 23.0092X)
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Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UL	Yes
ATEX	Yes
DNV	No
KC	No
EMC	Yes

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