



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

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% RH
Input Voltage (V)	10–49 VDC
Maximum Installation Altitude (m)	3048
Mounting	Panel mount
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	NT-116-0000-0000
Country of Origin	United States of America (the)
HS Code	8517620000

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Identification and Status

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
Contains Battery	No

Bluetooth Features

Net Data Throughput	up to 3.2 Gb/s
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Certifications and Standards

RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	Yes
UL	Yes
ATEX	Yes
DNV	No
KC	No
Mean Time Before Failure (MTBF)	1.2 million hours
Vibration and Shock	Shock: IEC 68-2-27: 200 g @ 10 ms Triaxial; non-operational; Vibration: IEC 68-2-6: 15 g @ 5-200 Hz Triaxial; operational; panel mounted