



# N-Tron® 8-port IP67-Rated Unmanaged Industrial Ethernet Switch

Item number: 108M12

The N-Tron® 8-port IP67 Unmanaged Industrial Ethernet Switch can help you meet demanding data acquisition, communications and control needs easily with plug-and-play operation. Convenient and cost-effective, this Ethernet switch ensures high throughput and minimum downtime. Auto-sensing ports deliver scalability for how they're connected in rugged industrial environments.

*Reliable data acquisition in harsh environments*

## Features and benefits

### ✓ Reliable data communication

Store-and-forward technology with full wire speed communication and full and half duplex support. Eliminate network collisions and increase network determinism with one solution.

### ✓ Bulkhead mountable case

Bulkhead mountable switch. Case dimensions: 16.9 cm x 16.9 cm x 4.6 cm .

### ✓ Automatic speed and flow control

MDIX auto-sensing cable automates speed and flow control through all ports for maximum throughput (up to 1.6 Gb/s).

### ✓ LED status monitoring

LED indicator lights display the link status and activity of each port.

### ✓ Dual redundant power inputs and surge protection

Dual Redundant Power Inputs (10-30 VDC) with surge protection diodes. ESD protection diodes on all ports.

### ✓ Built to withstand rugged industrial conditions

Hardened metal enclosure with IP67 rating protects against dust, low/high pressure water jets, and temporary immersion in water. Over 2 million hours MTBF.

### ✓ Connectivity through eight auto-sensing ports

Eight auto-sensing 10/100BaseTX ports with M12 D-coded 4-pin female connectors for high performance network design.

### ✓ Make network expansion simple

Easily plug and play to expand your network. Support up to 2,000 MAC addresses to accommodate growing networks.

### ✓ Leading certifications for industrial environments

IEEE 802.3 compliant. Certified UL Class I, Division 2 rating, CE, EN 50155 and ABS Type approvals. Operating temperature of -40 °C to 70 °C.

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## General

Net Weight (g)	1359
Packed Weight (g)	1359
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5% to 100% (Non Condensing)
Power Consumption (W)	0
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	108M12
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No

## Physical Features

Connectors / Input / Output	8x RJ45
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## Physical Features

Front Wiring Clearance (mm)	101.6
SD Card Slot	No
Flash Drive	No
Contains Battery	No

## Bluetooth Features

Net Data Throughput	Up to 1.6 Gb/s
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## Certifications and Standards

Protection Class IP	IP67
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	Yes
KC	No
Mean Time Before Failure (MTBF)	>2,000,000 hours