

N-Tron® 5-port IP67-Rated Unmanaged Industrial Ethernet Switch

Item number: 105M12

The N-Tron® 5-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: 12.7 cm x 11.0 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 1.0 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 five auto-sensing ports**
Five 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 80 °C.

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General

Net Weight (g)	270
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	1361
Operating Temperature °C Min	-40
Operating Temperature °C Max	80
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	105M12
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	5x RJ45
Front Wiring Clearance (mm)	101.6
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 1.0Gb/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