



N-Tron® 716M12 IP67-Rated Managed Industrial Ethernet Switch

Item number: 716M12

The N-Tron® IP67-Rated Managed Industrial Ethernet Switch meets connectivity needs with this high-performing, 8-port switch. Easy to deploy and manage via web browser. Key management features such as auto IGMP configuration, port auto-detection, and ring configuration. IP67 rating and rugged casing make it ideal for extreme environments.



IP67 water and dust resistant 8-port managed industrial Ethernet switch

Features and benefits

- ✓ **Easily connect and manage Ethernet-enabled devices**
Build and manage switch topologies easily and effectively. Deliver outstanding switch performance to railway and industrial applications.
- ✓ **Bulkhead mountable case**
Bulkhead mountable switch. Case dimensions: 16.9 cm X 16.9 cm X 5.6 cm.
- ✓ **Robust and configurable management functionality**
Configure your network to your security and traffic flow specifications via web browser. Features include SNMP, IGMP support, VLAN capability, Quality of Service (QoS), trunking and port mirroring.
- ✓ **LED fault status indicators**
LED indicator lights display switch link status. Configurable to indicate power failure.
- ✓ **N-View™ monitoring technology**
N-View™ Windows-based software provides monitoring and firmware management.
- ✓ **Enhanced Port Security**
Port-based MAC address filtering delivers a high level of security to your network connections. Supports up to 8,000 MAC addresses.
- ✓ **Built to withstand harsh industrial conditions**
Hardened metal enclosure with IP67 rating protects against dust, low/high pressure water jets, and temporary immersion in water.
- ✓ **Connectivity through 16 auto-sensing ports**
Sixteen 10/100BaseTX ports with M12 D-coded connectors auto sense duplex and MDIX. Ports auto-configure by default for maximum speed and performance. Can also be hard-coded via web browser.
- ✓ **Effective IP address management**
The DHCP Server/Client assigns IP addresses automatically, making it easy to manage addresses when network devices are changed. Includes Option 82 Relay, Option 61, and IP Fallback.
- ✓ **Leading compliance certifications for industrial environments**
Suitable for hazardous and demanding environments with UL Class I, Division 2 listing, CE, EN50155, and ABS certifications. Over 2 million hours MTBF and operating temperature of -40 °C to 85 °C.
- ✓ **N-Ring™ technology with ~30ms healing time**
N-Ring™ technology offers expanded ring size capacity to support up to 250 managed N-Tron switches. The ring manager provides complete fault diagnostics and ring health status via browser.
- ✓ **Redundant power inputs and surge protection**
Redundant power input (10-49 VDC). ESD and surge protection diodes on all ports.

N-Tron® 716M12 IP67-Rated Managed Industrial Ethernet Switch



General

Net Weight (g)	2300
Packed Width (mm)	254
Packed Height (mm)	133.35
Packed Depth (mm)	304.8
Packed Weight (g)	2585
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Relative Humidity	5% to 100% (Non Condensing)
Input Voltage (V)	10-49 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	716M12
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

N-Tron® 716M12 IP67-Rated Managed Industrial Ethernet Switch



Physical Features

Connectors / Input / Output	16x RJ45
Top Wiring Clearance (mm)	102
Front Wiring Clearance (mm)	102
Contains Battery	No

Certifications and Standards

Protection Class IP	IP67
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	No
KC	No
Mean Time Before Failure (MTBF)	>2 million
Vibration and Shock	Shock: 50g @ 10ms; Vibration: 30g, 10-200 Hz, triaxial