



# N-Tron® NT24K-16M12-R Managed 16-Port IP67 Gigabit Industrial Ethernet Switch

Item number: NT24K-16M12-R

The N-Tron® NT24k 16-Port IP67 Managed Gigabit Industrial Ethernet Switch is one of the easiest to deploy Ethernet switches in the industry. Simplified use, uncompromised performance and multiple configurations to fit your automation and industrial needs. Sixteen copper 10/100/1000BaseTX M12 X-code ports with bypass relay.



*Communicate securely across your network with fast performance and versatile connectivity.*

## Features and benefits

- ✓ **Rugged and durable design**  
Operates in extreme temperatures from -40° C to 85° C along with high shock and vibration tolerance. Designed to handle the most demanding environments with IP67-rated hardened metal enclosure.
- ✓ **Easy to use 10/100/1000BaseTX ports**  
Auto-sensing for MDIX, speed and flow control. Supports full/half duplex operation and full wire speed.
- ✓ **Robust security for your network switches**  
Protect against unauthorized access with built-in security features: IEEE 802.1X port and user authentication (RADIUS), SNMP communication protocols, SSH/SSL/HTTPS, 16,000 MAC addresses and support for event logs and syslogs.
- ✓ **Fast Healing Ring network redundancy**  
Comes with N-Tron's N-Ring™ ~30ms healing technology. Pre-configured N-Ring ports make it easy to add new NT24k-series switches. Reconfigure by changing the ring from "auto-member" to "manager."
- ✓ **N-View™ monitoring technology**  
Monitor multiple N-View™-capable switches from a single window. This Windows-based software reduces downtime by centralizing firmware management, grouping devices and scheduling firmware updates.
- ✓ **Leading certifications for industrial environments**  
Suitable for hazardous environments with UL Class I, Division 2 listing and CF certifications. IEC 6113 and NFMA
- ✓ **Secure M12 copper ports**  
Sixteen 10/100/1000BaseTX RJ-45 ports with M12 8-pin X-coded female connectors. Bypass relay port.
- ✓ **Reliable connectivity to industrial data**  
The N-Tron NT24k managed Ethernet switch connects industrial operations to data reliably and efficiently. It provides an industry-ready way to move data across industrial networks.
- ✓ **Designed with network redundancy to maximize uptime**  
High availability protocols (SNTP/RSTP, N-Ring), VLANs, Quality of Service (QoS), port trunking and mirroring, and IGMP auto-configuration maximize uptime and keep mission critical operations running.
- ✓ **Design enhancements to simplify VLAN configuration**  
Ease of use enhancements make VLAN configurations easier than ever. The graphical display shows a logical view of the switch, including the VLAN port and tag configuration.
- ✓ **Advanced features designed to meet future needs**  
With advanced management, performance and security features provided right out of the box, you have tools you need now—and as your network needs grow.
- ✓ **Redundant power inputs and surge protection**  
Redundant power input (10-49 VDC). ESD and surge protection diodes on all copper ports.



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## General

Net Weight (g)	2265
Packed Weight (g)	2265
Power Consumption (W)	3048
Input Voltage (V)	bulkhead
Output Voltage	metalenclosure
Power Connector	3-pole
Isolation	16x M12 X-Code connectors, 1x USB Type B
Maximum Installation Altitude (m)	Yes
Mounting	DIN rail mount (bracket included)
Housing Materials	Metal Enclosure
Packaging Material	Cardboard
Warranty (years)	3

## Identification and Status

Product ID	NT24K-16M12-R
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No

## Physical Features

Connectors / Input / Output	Up to 32 Gb/s
Contains Battery	No

## Wireless Features

Cellular Standards	101.6
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