



## N-Tron® 712FX4-SC Managed 12-port Industrial Ethernet Switch

Item number: 712FX4-SC

The N-Tron® 12-port Managed Industrial Ethernet Switch is a powerful and durable solution to connect Ethernet-enabled equipment. Best-in-class network management features for remote monitoring and configuration control. High performance, reliability and noise immunity for rugged industrial applications. Eight copper 10/100 ports + four 100Base 2km, multimode fiber ports with SC connector.



*Durable and high-performing 12-port managed Ethernet switch for industrial connectivity*

### Features and benefits

- ✓ **Easily connect and manage Ethernet-enabled devices**  
Store-and-forward technology and superior switch performance in industrial applications where ruggedness and extended distances are required.
- ✓ **Flexibility with both copper and fiber ports**  
Eight 10/100BaseTX RJ-45 ports and four multimode 100BaseFX fiber optic ports with SC connectors.
- ✓ **Easy to configure management functionality**  
Fully managed features are easily configurable from a web browser. Set up SNMP, VLAN, Quality of Service (QoS), port trunking, port mirroring, IGMP, SNMP and RSTP to your specifications.
- ✓ **Switch status monitoring and LED indicators**  
LED indicators are configurable to indicate power failure and N-Ring status.
- ✓ **Real-time remote monitoring**  
N-View™ Windows-based software provides remote monitoring.
- ✓ **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.
- ✓ **Designed for rugged environments**  
Hardened metal DIN-rail enclosure delivers top performance in demanding environments. High shock and vibration ratings. Case dimensions: 4.3" X 3.1" X 4.6".
- ✓ **Easy to use and flexible 10/100BaseTX ports**  
Auto-sensing for duplex and MDIX. Auto-configurable for maximum speed by default. Can also be hard coded. Wire speed capability on all 10/100BaseTX ports.
- ✓ **DHCP Server for Automatic IP address assignment**  
DHCP Server assigns IP addresses automatically. Includes DHCP Option 82 relay, Option 61 and IP fallback.
- ✓ **Leading certifications for industrial environments**  
IEEE 1613 compliance. Suitable for hazardous environments with UL Class I, Division 2 listing and CE certifications. Over 2 million hours MTBF and operating temperature of -40 °C to 70 °C.
- ✓ **N-Ring™ technology with ~30ms healing time**  
N-Ring™ technology offers expanded ring size capacity to support up to 250 N-Tron managed 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.

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## General

Net Weight (g)	0.01
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	1361.01
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5% to 95% (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	712FX4-SC
Country of Origin	United States of America (the)
HS Code	8517620000

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Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	8x RJ45, 4x SC
Top Wiring Clearance (mm)	25.4
Front Wiring Clearance (mm)	101.6
Contains Battery	No

## Certifications and Standards

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: 200g @ 10ms; Vibration: 50g, 5-200Hz, Triaxial