



N-Tron® 7012FXE2-SC-15-HV Managed 12-port Industrial Ethernet Switch

Item number: 7012FXE2-SC-15-HV

The N-Tron® 12-port Managed HV Industrial Ethernet Switch helps you deploy and manage network and remote monitoring features through a web browser, including auto IGMP configuration, diagnostics and ring configuration. Durable metal casing makes it ideal for harsh and remote sites. Eight copper 10/100 ports + 2 built-in 100Base 15km, singlemode fiber ports with SC connectors + 2 optional gigabit SFP ports.

High-performing 12-port managed Ethernet switch for industrial connectivity with Gigabit uplink ports

Features and benefits

- ✓ **Easily connect and manage Ethernet-enabled devices**
Deliver outstanding switch performance to industrial, railway and other harsh applications.
- ✓ **Built to withstand harsh industrial conditions**
Rugged steel hardened enclosure with 35mm DIN-rail and rackmount options supports high performance in demanding industrial environments. Case dimensions: 10.8 cm X 8.2 cm X 11.7 cm.
- ✓ **Copper and fiber capability via 12 total ports**
Connect devices to up to 12 ports, including eight 10/100BaseTX RJ-45 copper ports, two 100BaseFX multimode fiber ports with SC connectors and two optional SFP Gigabit transceivers.
- ✓ **Auto speed and MDIX configuration**
10/100BaseTX ports are auto-sensing for duplex and MDIX and auto-configurable for maximum speed by default. Can also be hard-coded. Optional SFP transceivers.
- ✓ **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.
- ✓ **DHCP Server for Automatic IP address assignment**
DHCP Server assigns IP addresses automatically. Includes DHCP Option 82 relay, Option 61 and IP fallback.
- ✓ **Switch status monitoring and LED indicators**
Bi-color LED indicators are configurable to respond to alarm contact, power failure and N-Ring status..
- ✓ **Leading 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 70 °C.
- ✓ **Real-time remote monitoring**
N-View™ Windows-based software provides remote monitoring.
- ✓ **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.
- ✓ **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.
- ✓ **Redundant power inputs and surge protection**
Redundant power input (43-300 VDC). ESD and surge protection diodes on all ports.

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General

| | |
|-----------------------------------|-----------------------------------|
| Net Weight (g) | 1132.5 |
| Packed Weight (g) | 1132.5 |
| 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) | 43-300 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 | 7012FXE2-SC-15-HV |
| Country of Origin | United States of America (the) |
| HS Code | 8517620000 |
| Dual Usage | No |

Physical Features

| | |
|-----------------------------|------------------------|
| Connectors / Input / Output | 8x RJ45, 2x SC, 2x SFP |
| Top Wiring Clearance (mm) | 26 |

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Physical Features

| | |
|-----------------------------|-----|
| Front Wiring Clearance (mm) | 102 |
| Contains Battery | No |

Certifications and Standards

| | |
|---------------------------------|---|
| Protection Class IP | IP30 |
| RoHS Compliant | Yes |
| CE | Yes |
| FCC | Yes |
| UKCA | No |
| UL | No |
| ATEX | No |
| DNV | No |
| KC | No |
| Mean Time Before Failure (MTBF) | >2 million |
| Vibration and Shock | Shock: 50g @ 10ms; Vibration: 30g, 10-200Hz, triaxial |