

N-Tron® 7012FX2-SC-HV Managed 12-port Industrial Ethernet Switch

Item number: 7012FX2-SC-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 2km, multimode 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)	0.01
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	1134.01
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)	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	7012FX2-SC-HV
Country of Origin	United States of America (the)
HS Code	8517620000

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Identification and Status

Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

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