Company Logo

N-Tron® 7018FXE2-SC-80-HV Managed 18-port Industrial Ethernet Switch

Item number: 7018FXE2-SC-80-HV

The N-Tron® 18-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. Fourteen copper 10/100 ports + 2 built-in 100Base 80km, singlemode fiber ports with SC connectors + 2 optional gigabit SFP ports.

High-performing 18-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.

Copper and fiber capability via 18 total ports

Connect devices to up to 18 ports, including fourteen 10/100BaseTX RJ-45 copper ports, two 100BaseFX multimode fiber ports with SC connectors and two optional SFP Gigabit 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.

Switch status monitoring and LED indicators

Bi-color LED indicators are configurable to respond to alarm contact, 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.

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: 5.8 cm X 21 cm X 12.1 cm.

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.

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

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.

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 (40-160 VDC). ESD and surge protection diodes on all ports.

HMS

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Banner

General

Net Weight (g)	2038.5
Packed Weight (g)	2038.5
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)	40-160VDC
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	7018FXE2-SC-80-HV
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	14x RJ45, 2x SC, 2x optional SFP
Top Wiring Clearance (mm)	25.4

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Physical Features

Front Wiring Clearance (mm)	101.6
Contains Battery	No

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	No
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: 200g @ 10ms; Vibration: 50g, 5-200Hz, Triaxial