



N-Tron® 716FXE2-ST-80-HV Managed 16-port Industrial Ethernet Switch

Item number: 716FXE2-ST-80-HV

The N-Tron® 16-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. Sixteen copper 10/100 ports + two 100Base 80km, singlemode fiber ports with ST connector.

Durable and high-performing 16-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**
Fourteen 10/100BaseTX RJ-45 ports and two singlemode 100BaseFX fiber optic ports with ST 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: 2.3" X 8.3" X 4.8".
- ✓ **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 (40-160 VDC). ESD and surge protection diodes on all ports.

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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 | 716FXE2-ST-80-HV |
| Country of Origin | United States of America (the) |
| HS Code | 8517620000 |
| Dual Usage | No |

Physical Features

| | |
|-----------------------------|-----------------|
| Connectors / Input / Output | 14x RJ45, 2x ST |
| Top Wiring Clearance (mm) | 25.4 |

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Physical Features

| | |
|-----------------------------|-------|
| Front Wiring Clearance (mm) | 101.6 |
| Contains Battery | No |

Certifications and Standards

| | |
|---------------------------------|---|
| 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 |