N-Tron®

BY HMS NETWORKS

N -Tron® 716FX2-ST-HV Managed 16-port Industrial Ethernet Switch

Item number: 716FX2-ST-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 2km, multimode 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 multimode 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	716FX2-ST-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