N-Tron®

BY HMS NETWORKS

N-Tron® 7010TX Managed 10-port Industrial Ethernet Switch

Item number: 7010TX

The N-Tron® 10-port Managed 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 optional gigabit SFP ports.

High-performing 10-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 10 total ports

Connect devices to up to 10 ports, including eight 10/100BaseTX RJ-45 ports 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: 11 cm X 6.1 cm X 11.5 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 (10-49 VDC). ESD and surge protection diodes on all ports.

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General

Net Weight (g)	600
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	1134
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)	10-49 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	7010TX
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 optional SFP Gigabit ports
Top Wiring Clearance (mm)	26
Front Wiring Clearance (mm)	102
Contains Battery	No

Certifications and Standards

RoHS Compliant	Yes
CE	No
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	No
KC	No
Mean Time Before Failure (MTBF)	>2 million
Vibration and Shock	Shock: 200g @ 10ms; Vibration: 50g, 5-200Hz, Triaxial