N-Tron®
BY HMS NETWORKS

N-Tron® NT5010 FX2 10 Port Gigabit Managed Industrial Ethernet Switch

Item number: NT-5010-FX2-SC15

The N-Tron NT5010 FX2 is a managed Ethernet switch that keeps networks connected and protected right out of the box. Easy to use and highly reliable, it optimizes communication performance and maximizes uptime. It features eight 10/100/1000BaseT RJ45 ports; two 100BaseFX, singlemode, 15km, SC style connector ports; and the rugged design and security of the N-Tron 5000 series.

Connects your devices reliably with simple configuration and robust security

Features and benefits

✓ **Rugged and durable design**

Operates in extreme temperatures from -40° C to 85° C, has high shock and vibration tolerance, ESD and surge protection. Built to provide years of reliable performance in harsh conditions.

✓ **Easy setup with configuration wizard**

A quick start wizard walks administrators through switch configuration for fast deployment. Retrieve and redistribute configuration files easily to other NT5000 devices on the network.

✓ **High quality graphical user interface**

Intuitive and user-friendly dashboard features color-coded gauges, making it easy to monitor and manage activity. View port configuration and activity, traffic, event logs, errors and more.

✓ **Designed with network redundancy to maximize uptime**

High availability protocols (STP/RSTP/MSTP), port trunking and LACP maximize uptime and keep mission critical operations running without interruption.

✓ **Design enhancements to simplify VLAN configuration**

Ease of use enhancements make VLAN configurations easier than ever. The graphical display shows a logical view of the switch, including the VLAN port and tag configuration.

✓ **Advanced features designed to meet future needs**

With advanced management, performance and security features provided right out of the box, you have tools you need now – and as your network needs grow.

✓ **Extensive industry certifications**

With extensive compliance certifications, the switch is ideal for a wide range of industrial applications in factory automation, oil and gas, water/wastewater, power utilities and more.

✓ **Reliable connectivity to industrial data**

The N-Tron NT5000 managed Ethernet switch connects industrial operations to data reliably and efficiently. It provides an industry-ready way to move data across industrial networks.

✓ **Robust securty for your network switches**

Protect against unauthorized access with built-in security features: password encryption, IEEE 802.1X port and user authentication (RADIUS), MAC security and support for event logs and syslogs.

✓ **~30ms healing and RSTP/MSTP network redundancy**

Comes with N-Tron's N-Ring ~30ms healing technology. Pre-configured N-Ring ports make it easy to add new NT5000-series switches. Reconfigure by changing the ring from "auto-member" to "manager."

✓ **N-View™ 2 monitoring technology**

Monitor multiple N-View™-capable switches from a single window. This windows-based software reduces downtime by centralizing firmware management, grouping devices and scheduling firmware updates.

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General

Net Weight (g)	0.01
Packed Width (mm)	254
Packed Height (mm)	133.35
Packed Depth (mm)	304.8
Packed Weight (g)	993.01
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10% to 95% (Non Condensing)
Input Voltage (V)	10-49 VDC
Maximum Installation Altitude (m)	3048
Mounting	DIN rail mount (bracket included), Wall mount
Panel Cut-Out Dimensions	97.8 x 3.74" (95.1 mm)
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	NT-5010-FX2-SC15
Country of Origin	United States of America (the)

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Identification and Status

HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Top Wiring Clearance (mm)	101.6
Front Wiring Clearance (mm)	101.6
LAN Specification	up to 4k
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 16.4 Gb/s

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	Yes
UL	No
ATEX	Yes
DNV	No
KC	No

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Certifications and Standards

Mean Time Before Failure (MTBF)	1.2M Hours
Vibration and Shock	IEC 68-2-27: 200 g @ 10 ms Triaxial; non-operational; panel mounted; IEC 68-2-6: 15 g @ 5-200 Hz Triaxial; operational; panel mounted