Company Logo

N-Tron® 105FX-SC Unmanaged 5-port Industrial Ethernet Switch

Item number: 105FX-SC

The N-Tron® Unmanaged 5-port Industrial Ethernet Switch meets data gathering, control and Ethernet I/O needs cost-effectively. This plug-and-play hubswitch has four 10/100BaseTX RJ-45 ports and one 2km 100BaseFX multimode fiber port with SC connector in a compact, durable metal case. Top performance for high-speed layer 2 switching in demanding industrial environments.

Unmanaged 5-port industrial Ethernet switch with copper and fiber connectivity

Features and benefits

Gather industrial data effectively and affordably

Store-and-forward technology with full wire speed communication, high throughput and minimum downtime. Upgrade existing solutions with new bandwidth by eliminating network collisions.

2km Fiber optic uplink port

Fiber optic uplink port enables long distance communication. Industry standard 100BaseFX multimode port includes SC connectors. Fiber distance rating of 2km without repeaters.

Metal DIN-rail enclosure

Comes in a 35mm DIN-rail mountable hardened metal case. Compact design with a small footprint. Dimensions: 8.9 cm X 3.8 cm X 9.0 cm.

MAC address support

Connect to advanced and complex network architectures with support for up to 2,000 MAC addresses.

Leading industry certifications for industrial environments

IEEE 802.3 compliant. Certified UL Class I, Division 2 rating and CE approval. EN 50155 Rail and ABS Type approval for shipboard applications. Operating temperature of -40 °C to 70 °C.

Four RJ-45 auto-sensing 10/100Base TX RJ-45 ports

RJ-45 ports auto sense duplex, speed and MDIX. Ethernet switching technology makes RJ-45 ports full/half duplex capable.

Automatic speed and flow control

Automatically negotiates and configures speed and flow control of the RJ-45 ports.

Designed for industrial settings

IP30 rating and extended environmental specifications delivers robust performance in harsh and hazardous industrial settings. Over 2 million hours MTBF.

LED status monitoring

LED indicator lights display the link status and activity of each port and power on/off status.

Redundant DC power inputs

Redundant DC power inputs (10-30 VDC) for increased reliability. ESD and surge protection on all built-in RJ-45 ports.

HMS

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General

Net Weight (g)	770.1
Packed Weight (g)	770.1
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10% to 95% (Non Condensing)
Power Consumption (W)	0
Input Voltage (V)	10-30 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	105FX-SC
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	4x RJ45, 1x SC Duplex Port

HMS

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Banner

Physical Features

Top Wiring Clearance (mm)	25.4
Front Wiring Clearance (mm)	101.6
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 1.0Gb/s

Certifications and Standards

RoHS Compliant	No
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	No
DNV	Yes
KC	No
Mean Time Before Failure (MTBF)	>2,000,000 hours

HMS