Product Banner

Company Logo

N-Tron® 105FXE-SC-80-MDR Unmanaged 5-port Industrial Ethernet Switch

Item number: 105FXE-SC-80-MDR

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 80km 100BaseFX singlelemode fiber port with SC connector in a compact, durable metal case with metal DIN rail clip. 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.

✓ **80km Fiber optic uplink port**

Fiber optic uplink port enables long distance communication. Industry standard 100BaseFX singlemode port includes SC connectors. Fiber distance rating of 80km without repeaters.

✓ **Metal DIN-rail enclosure and DIN-rail clip**

Comes in a 35mm DIN-rail mountable hardened metal case. Metal DIN-rail clip is included for easily installation. 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	105FXE-SC-80-MDR
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

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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