

# Industrial Ethernet Switches

## Unmanaged four-port switch in compact package

The N-TRON™ 104TX/105TX are low-cost, unmanaged industrial Ethernet switches. They are housed in a ruggedized DIN-rail enclosure, and are designed for use in mission critical data acquisition, control, and Ethernet I/O applications.

- Four 10/100BaseTX RJ-45 ports (104TX)
- Five 10/100BaseTX RJ-45 ports (105TX)
- Unmanaged operation
- Supports full/half duplex operation
- MDIX auto sensing cable
- Auto sensing speed and flow control
- Up to 1.0 Gb/s maximum throughput
- Full-wire speed communications
- Store-and-forward technology
- Redundant power inputs (10 to 30 VDC)
- LED link/activity status indication
- Hardened metal DIN-rail enclosure
- Extended environmental specifications:
  - Operating temperature of –40 to 176°F (–40 to 80°C)
  - >2M hours MTBF
- Compact, space-saving package
- Full IEEE 802.3 compliance



26057-24

26057-23

### SPECIFICATIONS

Input voltage	10 to 30 VDC
Steady input current	215 mA @ 24 V
Operating temperature	–40 to 176°F (–40 to 80°C)
Operating humidity	10 to 95% (noncondensing)
Operating altitude	0 to 10,000 ft
Enclosure	Hardened metal, DIN-rail mount
Network media	10BaseT >Cat 3 cable 100BaseTX >Cat 5 cable
<b>Connectors</b>	
10/100BaseTX	RJ-45TX copper port
<b>Emissions and Safety</b>	
Regulatory approvals	FCC Title 47 Part 15 Class A, CE: EN61000-6-2,4 EN55011, EN61000-4-2,3,4,5,6, UL Listed (US and Canada) per ANSI/ISA-12.12.01-2000. Suitable for use in Class 1, Div 2, Groups A, B, C, D, T5
Compliance	IEEE1613 for electric utility substations, ABS Standards for Shipboard Applications, NEMA TS1/TS2 for traffic control equipment

Catalog No.	Model No.	Description
TS-26057-24	104TX	Four 10/100BaseTX RJ-45 ports
TS-26057-23	105TX	Five 10/100BaseTX RJ-45 ports
<b>Accessories</b>		
TS-90000-85	NTPS-24-13	DIN-rail power supply, 24 V @ 1.3 A

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