

TNS4008-8P-DC

EN50155 2.5G M12 Industrial PoE Switch



Product Description:

The TNS4008-8P-DC is a rugged, high-performance industrial Ethernet switch designed for mission-critical railway, rolling stock, and harsh environment applications. Featuring 8 × 100/1000/2500Mbps M12 (X-code) copper ports with PoE+ support, it delivers high-speed data and power for onboard systems, trackside networks, and heavy-duty industrial deployments.

Key Features:

- ✓ EN50155 Certified – Complies with strict railway reliability & safety standards
- ✓ 8 × M12 X-coded PoE+ Ports – Supports 2.5Gbps data + PoE+ (30W per port) for powered devices (IP cameras, sensors, wireless APs)
- ✓ Industrial-Grade Durability – Vibration-resistant, shock-proof M12 connectors for train, mining & vehicle applications
- ✓ Extended Temperature Range – Operates in -40°C to +75°C for extreme environments
- ✓ DC Power Input – Resilient design for critical infrastructure

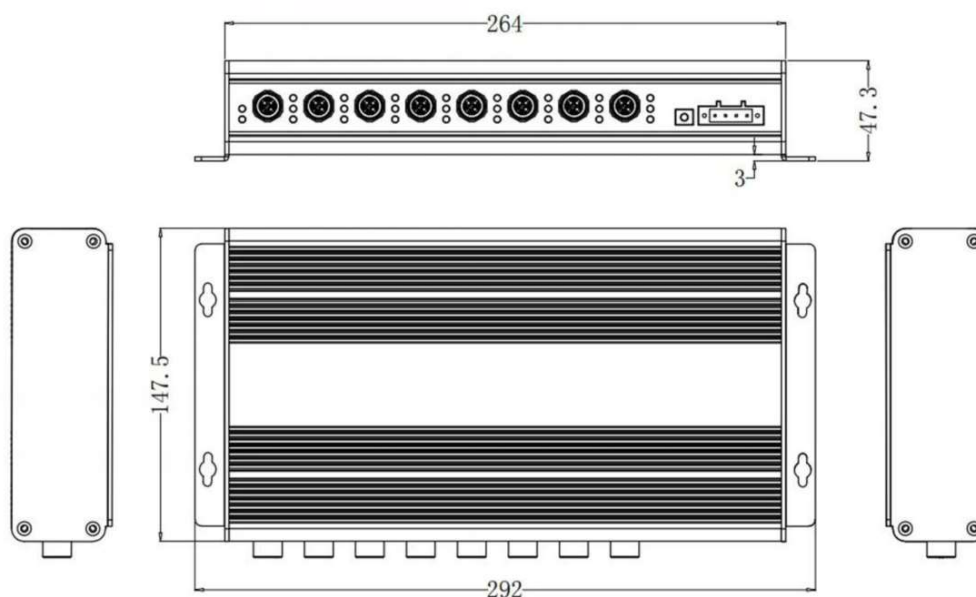
Engineered for high availability in mobile and harsh conditions, the TNS4008-8P-DC ensures reliable power and high-bandwidth connectivity for industrial transportation and automation.

Product Specifications:

Attributes	
Networking Interfaces	8 x 100/1000/2500Base-TX with X-coded M12 connectors
LED Indicators	Power, Link/Act, Speed
Performance	
Switching Capacity	40 Gbps
Forwarding Capacity	29.76 Mpps
Forwarding Mode	Store and Forward
Packet Buffer Memory	12 Mbit
MAC Address Table	16K
Physical	
Dimensions	292*147.5*50mm
Weight	2.5KG
Operating Temperature	-40 to 75°C
Storage Temperature	-40 to 75°C

Operating Humidity	5 to 95% Noncondensing
Power Method	12-60VDC
Max. Power Consumption	Including PoE Output: 240W Excluding PoE Output: 15W
EMC Safety	FCC, CE, RoHS
Reliability	5 years Warranty
Power over Ethernet	
PoE Interfaces	Ports 1-4 / 1-8
PoE Standard	IEEE802.3af, IEEE802.3at
Max. PoE Wattage per Port	30W
PoE Voltage	52VDC (Depend on Power Adapter)
PoE Pin Assignment	V- (RJ45 Pin1,2), V+ (RJ45 Pin 3,6)
Package List	
EN50155 PoE Switch	1pcs
User Manual	1pcs
Power Cord	1pcs
Rubber Feet	4pcs

Dimemnsions



Order Information:

Switch Models	
TNS4008-8P-DC	EN50155 8 Ports 2.5G Industrial PoE Switch