



DATASHEET

TRASSIR TR-NS25102S-300-8POE



TR-NS25102S-300-8POE is a managed industrial switch with 8 PoE 10/100/1000 Mbps PoE ports with the ability to power up the connected devices via twisted pair up to 250m and mounting for switching cabinets.

Basic equipment

- Switch 1pcs.
- DIN rail mounting kit 1pcs.
- Datasheet 1pcs.

Warranty service

- Three-year warranty service from the date of sale.
- In case of the warranty card absence, the warranty period is determined from the date of sale.
You can check the detailed description of the device settings in user guidelines on our web site www.trassir.com.

Specification

Model	TR-NS25102S-300-8POE	
Ethernet ports¹	10 x 10/100/1000 Mbps (Base-TX) 2 x 100/1000 Mbps (Base-SX/LX) 1 x Console (DB9 F/M)	
PoE Standards	Port 1: IEEE802.3af/at/bt	Ports 2-8: IEEE802.3af/at
Maximum capacity per port	Total: 300W Port 1: up to 90W	Ports 2-8: up to 30W
Power pinout via PoE	Port 1: DC+: 1/2/4/5 DC-: 3/6/7/8	Ports 2-8: DC+: 1/2 DC-: 3/6
Switching capacity	56 Gbps	
Transmission speed	14.88 Mpps	
Buffer size	4 Mb	
MAC addresses table size	8000	
Stream management	Enabled by default	
Data transmission range	Up to 250 m (transmission speed — 10 Mbps)	
Function	Normal mode VLAN CCTV	
PD Alive²	Supported. The port restarts 180 seconds after device connection loss. Adjustable restart delay period of 30-600 seconds.	
Power Input	Only network: DC12-57V PoE: DC40-57V	
Lightning protection	Standard mode 6kV Differential mode 4kV	
Electrostatic discharge protection	Air discharge 8kV Contact discharge 10kV	
Maximum power consumption	310W	
Mounting	DIN rail	
Working temperature	-40°C...80°C	
Permissible humidity level	5 — 90%	
Weight, kg	1.16	
Dimensions (W x D x H), mm	162 x 130 x 50	

¹ Default network parameters(IP address: 192.168.0.1, user name: admin, password: admin).

² For more details, see the user manual for the device.

Software features

Transmission range, cable type	10BASE-T: Cat6, Cat6e UTP(≤250m) 100BASE-TX: Cat5 or UTP(≤100m) 1000BASE-TX: Cat6 or UTP(≤100m) 1000BASE-SX: 62.5µm/50µm MMF(2m~550m) 1000BASE-LX: 62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m)
VLAN	Port-based VLANs, VLAN quantity: 4096, 802.1Q VLAN
Reliability	STP support RSTP support MSTP support
Port management	Port Mirror (many-to-one port mirroring), Port Isolation, Port Flow Control: Half duplex, Full Duplex, Cable Sequence: auto-MDIX, automatic identification of straight and cross cables, Negotiation Mode: automatic support on ports
IGMP Snooping	IGMP v1/2/3 tracking support MLD v1/2 support GMRP Protocol Registration support
Security	MAC, IP, port binding support, ACL based on IP and MAC support
QoS	802.1p port queue priority algorithm COS/TOS support WRR queue scheduling WRR, SP, and WFQ scheduling models support
Network management	SSH, Telnet, TFTP support SNMP v1/v2/v3 support RMON v1/v2 support RMON management support
Service	Update file download System log file Factory Configuration Restore

DATE OF SALE

DEVICE SERIAL NUMBER