TR-IE2500 Series

Industrial Ethernet Switches

Product Overview

Techroutes TR IE2500 series is a gigabit managed PoE switch specially designed for stable operation in IP Surveillance and Wireless AP Service in hard Industrial demanding environments. It has 4/8/16 x 10/100/1000Base-T RJ45 ports (optional PoE) and 2 Gigabit SFP slots.

With rich Layer 2 features, such as Port Rate-Limitation, VLAN, RSTP etc., it support efficient management by Web and SNMP V1/V2/V3. The device is equipped with rugged IP30 metal case, and it is adopted good electrical materials with high level of immunity against electromagnetic interference and heavy electrical surges. Being able to operate under wide temperature range from -30 to 75 degrees, allows DIN rail or wall mounting installation for efficient use of cabinet space. TR IE2500 series industrial switch can be widely applied in hotels, campuses, parks, shopping malls, scenic spots, hospitals, factory dormitory and small and medium-sized enterprise

Performance Features

Full gigabit access, full-line speed forwarding
◇ All series support all-line high-speed forwarding, user-flexibly flexible networking, to meet the needs of various scenarios networking;
◇ Support non-blocking wire speed forwarding;
◇ Support full duplex based on IEEE802.3x and half duplex based on back pressure;

Intelligent PoE power supply function
◇ 4 / 8 / 16 x 10/100/1000Base-T RJ45 ports + 2 x 1000Base-X (SFP);
◇ Conforms to the IEEE 802.3 af/at PoE power supply standard, automatically recognizes PoE
◇ device for power supply, without damaging non-POE devices;
◇ The maximum POE output power of the entire device reaches 130W, and the maximum POE output power of a single port is 30 W;
◇ The PoE port supports the priority mechanism. When the remaining power is insufficient, the
◇ power supply of the high-priority port is preferentially guaranteed to prevent the device from being overloaded;

The equipment is stable and reliable
◇ The host has low power consumption, no fan mute design, aluminum alloy metal shell, excellent heat dissipation, and ensure stable operation of products.
◇ The equipment fully meets the requirements of CE, FCC and RoHS safety regulations, and is safe and reliable;
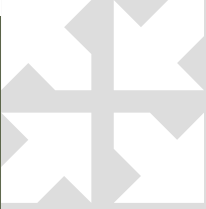◇ High quality power supply, high redundancy design, provides long-term stable PoE power output.

Easy to operate
◇ Plug and play, no configuration, simple and convenient;
◇ The user can easily understand the working status of the device through the power indicator
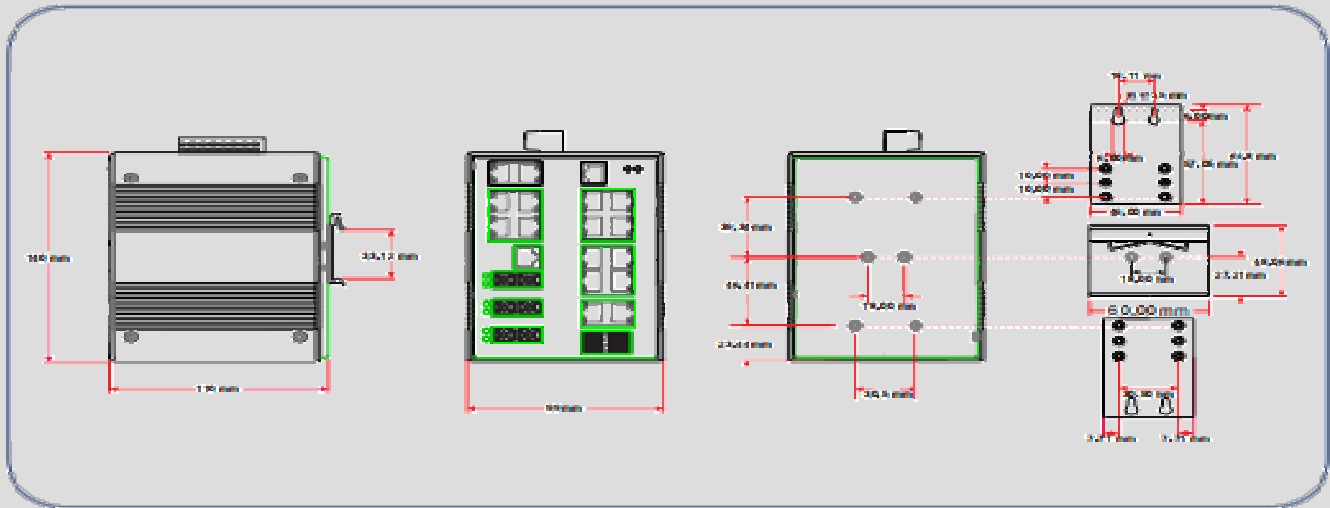◇ (PWR), port status indicator (Link), and POE operation indicator.
◇

Technical Specifications

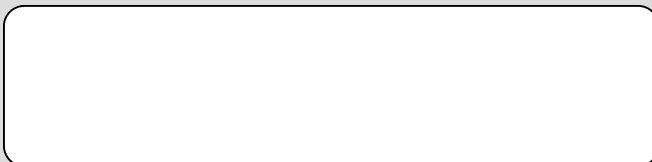| Model	TR IE2500 series
Interface	4/ 8 / 16 *10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink (SFP)
POE port	Port1-14 can support POE @ IEEE802.3af/at
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x
PoE Standard	IEEE802.3af/at
Ethernet Port Feature	10/100/1000 Base-T(X),auto-sensing, full/half duplex MDI/MDI-X self-adaption
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	24Gbps
Forwarding Rate@64byte	12Mpps
MAC	8K
Buffer Memory	2M
Max /Average Power Per Port	30W/15.4W
Power Consumption	≤7W(NO POE); 802.3af POE:70W; 802.3at POE:130W<6W; Full load<110W
LED	Power Indicator: PWR (green); Data indicator: Link(yellow); POE indicator: PoE (green); speed indicator: 1000M (green)
Power	48 VDC (Optional AC Power : 100~240V 50-60Hz 2.0A 130W)
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing
Dimension	160*115*42mm
Net /Gross Weight	<0.6kg / <1.2kg
Installation Methods	Desktop , wall mounted., DIN Rail
Lightning protection / protection level	Port Lightning Protection 4KV 8/20us; Protection Level: IP40

Dimension

Ordering Information

Model	Description
TR IE2506	4*10/100/1000Base-T (RJ45) + 2*1000Base-X (SFP), industrial L2 Ethernet Switch, WEB management, Din-Rail, 48VDC power input
TR IE2510	8*10/100/1000Base-T (RJ45, IEEE 802.3.af/at 15.4/30W POE) 2*1000Base-X (SFP), industrial L2 Ethernet Switch, WEB management, Din-Rail 48VDC power input
TR IE2518	16*10/100/1000Base-T (RJ45) 2*1000Base-X (SFP), industrial L2 Ethernet Switch, WEB management, Din-Rail, 48VDC power input

Your Route to The Destination