IT-ES5600-4GS-24T Series

24-port Fast Ethernet + 4-port Gigabit SFP slots

Layer 3 Managed Industrial Ethernet Switch

Features

- Supports 4-port Gigabit SFP slots, 12-port 100Base-FX or 10/100Base-T(X) Ethernet option
- Supports 3 channel 4-port Fast Ethernet copper ports and optical fiber port optional module
- Support IGMP Snooping and GMRP filter multicast packet
- Support QOS of IEEE 802.1p/1Q TOS/DiffServ to promote network stability
- Support SNMP v1/v2/v3
- Support IEEE802.1X, HTTPS, and SSH to enhance network security
- Support link static / dynamic aggregation to optimize bandwidth
- Support ACL function to enhance flexibility and security of network management
- Support bandwidth management, ensuring network stability
- Support RMON, effectively improve network monitoring and predictive ability
- Support port mirroring for online debugging
- Support STP/RSTP/MSTP to enhance network stability
- Support IEEE802.1Q VLAN for easy network planning
- Support static routing, RIP, VRRP, OSPF Layer 3 Switching Technology
- Support redundancy DC power supply(48VDC)
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-75℃ work temperature
- IP40 protection grade, rack mounting

Introduction

IT-ES5600-4GS-24T series is a high-performance, cost-effective smart rack-mounted industrial layer 3 switches. It is equipped with 4 Gigabit SFP slots, 12 Fast Ethernet ports and 3 channel 4 Fast Ethernet ports module (copper ports and optical fiber port optional). The increase in bandwidth elevates the data transmission capability, and it's very suitable for the application of large-scale industrial network. IT-ES5600-4GS-24T series supports various advanced administration functions such as IGMP, GMRP, DHCP Server/Client, STP/RSTP/MSTP, QOS, port mirroring, LLDP, static routing, RIP V1/V2, OSPF, VRRP, etc. The IPv4 layer 3 routing protocol, multicast technologies and policy routing mechanism provide users with complete IPv4 solutions; meanwhile, this series of products also support SNMPv1/v2/v3 (Simple Network Management Protocol), CLI, Web Management, TELNET management for more convenient device management. Combined with enhanced ACL control and anti-attack function, the management will be more secure.

IT-ES5600-4GS-24T series is in compliance with the FCC and CE standards, and supports 2-way redundant DC inputs and 1-way relay fault alarm output. Users can select flexibly according to the actual environment. It adopts industrial no fan design, and is fit for the severe industrial environment at a working temperature of -40℃-75℃, which can meet various industrial application requirements and provide reliable and economic solutions for Ethernet access.

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.1D/W/s, IEEE802.1q, IEEE802.1p, IEEE802.1x, IEEE802.3ad, IEEE802.1AB

Protocol: ARP, ICMP, TCP, DHCP Server/Client, DHCP Option66/67/82, DNS, Telnet, SW-Ring, QOS, LLDP, LACP, IGMP, GMRP, SNTP, SNMPv1/v2/v3, STP/RSTP/MSTP, HTTP/HTTPS, SSH

Flow control: IEEE802.3x flow control, back press flow control

Layer 3 Switching Technology

Static routing, RIP V1/V2, OSPF, VRRP, BGP

Function

Switch function: Static routing, RIP V1/V2, OSPF, VRRP, BGP, SW-Ring, QOS, 802.1QVLAN, RSTP, MSTP, SMTP, LLDP, LACP, ROMN, GMRP, IGMP Snooping, SNMP, SSH, Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, upgrade online, up and download configuration file, user name access system

SW-Ring: Support Single, Couple, Chain, Dual homing

Exchange attribute

100M forward speed: 148810pps

1000M forward speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 24.8Gbps

MAC address table: 32K

Memory: 16Mbit

Interface

Ethernet RJ45 port: 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect

100M Fiber port: 100Base-FX, SC/FC/ST connector optional

Gigabit SFP port: 1000Base-X, SFP slot

Console port: RS-232 (RJ45 connector)

Alarm port: 2-pin terminal block

1 channel relay alarm output

Current load capacity 1A@30VDC

Transfer distance

Twisted cable: 100M (standard CAT5e/CAT6 cable)

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator

Run indicator: RUN

Power supply indicator: P1, P2

Alarm indicator: ALM

Interface indicator: Link (1~24/G1~G4)

Power supply

Input Voltage: 48VDC

Type of input: 3 bits terminal block

DC support redundant power supply

Consumption

No-load consumption: 31.1W@48VDC

Full-load consumption: 40.5W@48VDC

Working environment

Working temperature: -40～75℃

Storage temperature: -40～75℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: 19" 1U rack mounting

Weight: 4.5kg

Size (L×W×H): 441.6mm×290mm×44.45mm

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Level 4

EN61000-4-4 (EFT), Level 4

EN61000-4-5 (Surge), Level 4

EN61000-4-6 (CS), Level 3

EN61000-4-8, Level 5

EN61000-4-10, Level 3

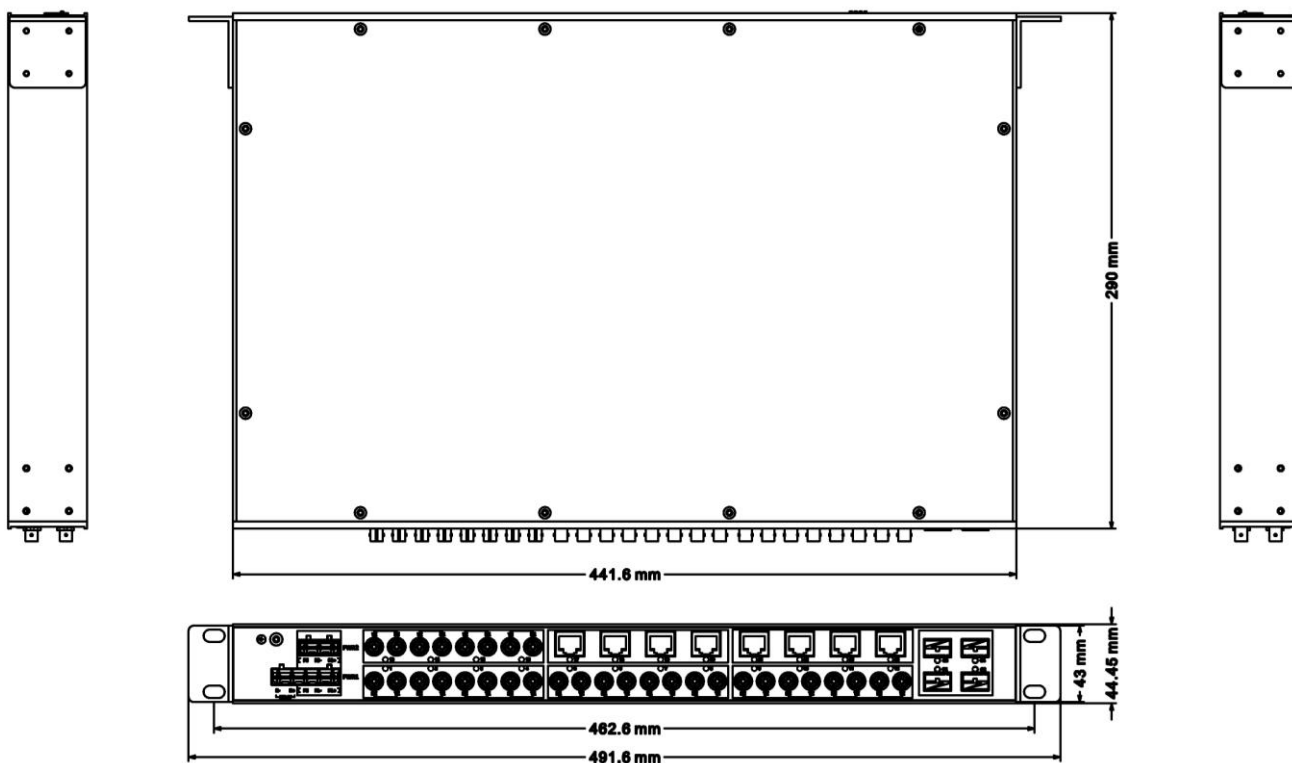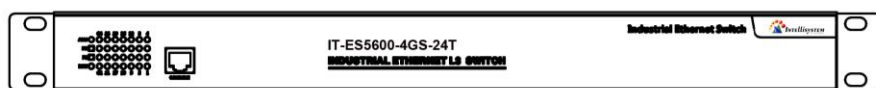Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Dimension

Ordering Information

Available Models	Port Interface			Power Supply
Standard Models	1000Base-SFP	10/100Base-T(X)	100Base-FX	48VDC(36~72VDC) OR
IT-ES5600-4GS-24T	4	8	16	220VAC(90~264 VAC)