

IT-ES5028-IM-4GS-4F

20-ports 10/100M Ethernet + 4-ports 100Base-FX (SC/ST/FC) +

4-ports Gigabit (SFP slot) Managed Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE 802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W.
- SW-Ring™ ring network patent technology (Fault recovery time<20ms).
- Support RSTP, way exchange time<50ms.
- Support Port based VLAN and IEEE 802.1Q VLAN.
- Support absolutely and opposite priority, support IEEE802.1P, DSCP priority.
- Support Based Tag port Tag trunking, IEEE802.3ad, 2 group trunking link.
- Support MAC address learning, aging automatic.
- Support rate control, Broadcast storm control.
- Support configuration file up and download.
- Support WEB configuration.
- Support 8K MAC address.
- Support static and dynamic IGMP.
- Support bi-directional port mirroring.
- Support 1 channel relay alarm output.
- Industrial grade 4 design, -40~75°C work temperature.
- No fan design, 19 inch rack mounting.
- IP30 protection grade.



Introduction

IT-ES5028-IM-4GS-4F is an industrial grade, managed and redundancy Ethernet switch which supports 20 Ethernet Ports, 4 Fiber ports and 4 Gigabit (SFP slot) ports. It provided some kinds of advanced network managed function, like as: SW-Ring™ redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade online. SW-Ring™ can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It

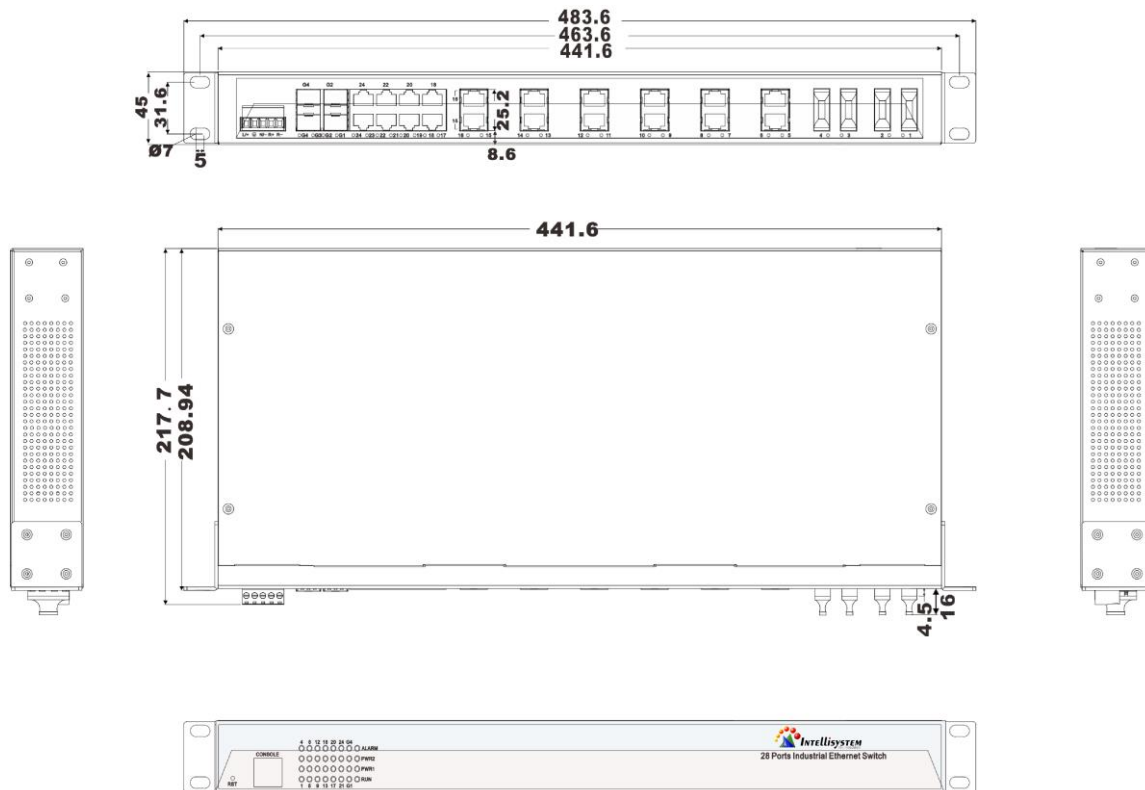
provided wide voltage power supply input.

SW-Ring™ is an arithmetic designed as a rapid redundancy network. It provided recover technology for fault of rapid redundant network, the recovery time<20ms.

Product accorded to CE, FCC standard and Industry grade 4 design requirement, support 1 channel power input and 1 channel relay alarm output, and -40~75°C working temperature, can meet all kinds of Industrial environment requirement. It can use in power, water conservancy, transportation area etc.

Dimensions

Unit (mm)



Specifications

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.3ad

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, SNMP

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

Functions

Switch function: SW-Ring™, QOS, 802.1QVLAN, RSTP, SNMP 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 attributes

100M forward speed: 148810pps
 1000M forward filter speed: 1488100pps
 Transmit mode: store and forward
 System exchange bandwidth: 12.8G
 MAC address table: 8K
 Memory: 4M

Interfaces

Electric port: 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect
 100M optic fiber port: 100Base-FX, SC/ST/FC connector, support single-mode (20/40/60/80Km optional), multi-mode (2Km), wavelength: 1310nm, 1550nm
 1000M fiber port: 1000Base-FX (SFP port)
 Console port: debug serial port carry out CLI command
 Alarm port: 2 bit terminal block
 1 channel relay alarm output

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)
 Multi-mode: 1310nm, 2/5Km
 Single-mode: 1310nm, 20/40/60Km
 1550nm, 80/100/120Km

LED indicators

Run indicator: Run
 Interface indicator: Link (1~24/G1~G4)
 Power supply indicator: PWR
 Alarm indicator: Alarm

Power supply

Input Voltage: 100~240VAC
Type of input: 3 bits terminal block
Overload current protect: 1.2A

Consumption

No-load consumption: 10.0W
Full-load consumption: 15.7W

Working environment

Working temperature: -40~75°C
Storage temperature: -40~85°C
Relative Humidity: 5%~95% (no condensation)

Mechanical Structure

Shell: IP30 protect grade, metal shell
Installation: 19" 1U rack
Size (W×H×D): 441.6mm×45mm×208.9mm

Industry Standards

EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), Level 4
EN61000-4-3 (RS), Level 3
EN61000-4-4 (EFT), Level 4
EN61000-4-5 (Surge), Level 4
EN61000-4-6 (CS), Level 3
EN61000-4-8, Level 5
Shock: IEC 60068-2-27
Free fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Certifications

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Ordering Informations

IT-ES5028-IM-4GS-4F (M): 20 ports 10/100Base-T(X) + 4 ports 100Base-FX Multi-mode SC/ST/FC + 4 ports gigabit (SFP slot), 100-240VAC

IT-ES5028-IM-4GS-4F (S): 20 ports 10/100Base-T(X) + 4 ports 100Base-FX Single-mode SC/ST/FC +4 ports gigabit (SFP slot), 100-240VAC

IT-ES5028-IM-4GS-4F (SS): 20 ports 10/100Base-T(X) + 4 ports 100Base-FX single-mode, single fiber SC/ST/FC + 4 ports gigabit (SFP slot), 100-240VAC

Packing List

1. Ethernet switch IT-ES5028-IM-4GS-4F (plus terminal block) ×1
2. User manual ×1
3. CD ×1
4. Certificate of quality ×1
5. Warranty card ×1
6. Power cable ×1