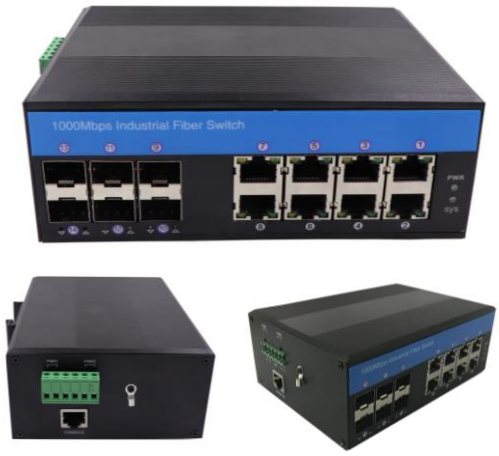
TS-IMF6F8-P: L2 Managed Industrial Switch with PoE

6 Fiber to 8 UTP 10/100/1000Mbps Managed Industrial POE Fiber Switch

Key Features



- Support power on POE IP cameras through the wireless access point (AP) of 5 categories of Ethernet cable.
- IEEE 802.3af/at power on to 1 ~ 8 RJ45 ports
- 8 x 10/100/1000Mbps Auto-sensing RJ45 ports
- 6 x 1000Mbps SFP fiber port
- 4 KV Ethernet surge protection, adapt to a harsh outdoor environment
- Support Auto MDI/MDIX
- Flow control mode: full duplex with IEEE 802.3x standard, half-duplex with Back pressure standard
- IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX compliant
- A store-and-forward switching mechanism
- Operating environment temperature:-40 ° ~85 ° c
- Support cable diagnosis and can locate the fault point
- Support IEEE802.3az EEE (Energy Efficient Ethernet) Management, optimize power consumption
- Support STP, RSTP, MSTP, ITU-T G.8032 Ethernet Protection Ring(EPR)
- Support Qos, transport classification Qos, Cos, bandwidth control (input/output direction), storm suppression ,differentiated services
- Support IEEE802.1q VLAN,VLAN port ,based Mac VLAN,IP subnet VLAN, Protocol VLAN,VLAN convert, MVR
- Support dynamic IEEE802.3ad LACP link aggregation, static link aggregation
- Support IGMP/MLD snooping V1/V2/V3, IGMP filtrating/ modulating, IGMP searching
- Support IGMP agent report, MLD snooping
- Safety: based on port and Mac IEEE802.1X, RADIUS, ACL, TACACS+,HTTP/HTTPS, SSL/SSH v2
- Support Cisco® like CLI, Web management, SNMP v1/v2c/v3, Telnet
- Support software upgrade via TFTP and HTTP, firmware redundancy prevents upgrade
- Support DHCP client/Relay/Snooping/Snooping option 82/Relay option 82

Introduction

TS-IMF6F8-P series is the 10/100/1000 Mbps managed industrial POE fiber switch, comply with IEEE802.3af/at, power on POE IP cameras through the Ethernet cable, simple construction, power range up to 100 meters, operating temperature-40 ℃ to + 85 ℃, meet IP44 protection degree and EMC industrial grade requirements, DIN rail installation, pass through dangerous environmental certification and comply with FCC and CE standards. The reliable industrial grade design could ensure continuous and stable operation of the automation system.

Specification

Product Name	10/100/1000Mbps Managed Industrial POE Fiber Switch (6F+8TP)
Model No.	TS-IMF6F8-P
Port	6 x 1000Mpbs SFP port SM：1310nm/1550nm,20Km ;1490nm/1550nm, 40~120Km; MM：1310nm, 2Km; 8x10/100/1000M UTP RJ45（Support MDI/MDIX auto-sensing）
Standard	IEEE 802.3, IEEE802.3U, IEEE802.3ab, IEEE802.3z, IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP, ITU-T G.8023 EPR/Y.1344, IEEE802.1Q, IEEE802.1X, IEEE802.3ad, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.1ad, IEEE802.1p, IEEE802.1ab, IEEE802.3az
VLAND ID	4096
Jumbo Frame	9.6KB
MAC Address Table Size	8K
Switching features	Transmission mode：storage and forward System bandwidth：40Gbps (non-traffic jam)
Network media	10BASE-T: CAT3, CAT4, CAT5 un-shielded twisted pair(≤100m) 100/1000BASE-TX: CAT5 or above shielded twisted pair(≤100m) SFP port，transmission distance: 20Km，40Km，60Km，80Km，100Km
LEDs	Power, network, fiber
Power supply	POE power supply input voltage: 48V (max 52V), Single PoE power supply output power: 15.4W (port 1~8) (802.3at standards required special instructions)
Environment	Working Temp：-40°～ 85°C ; Storage Temp：-40°～ 85°C;Working humidity：10%～90%, non-condensing; Storage humidity：10%～95%, non-condensing
Industry Standards	EMI：FCC Part 15 Subpart B Class A，EN 55022 Class A EMS：EN 61000-4-2 (ESD) Level 3，EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8; Traffic Control：NEMA-TS2; Vibration：IEC 60068-2-6; Freefall：IEC 60068-2-32; Shock：IEC 60068-2-27; Rail Traffic：EN 50121-4
Safety	CE Mark ,commercial ; CE/LVD EN60950
Mechanical information	Shell：Corrugated metal shell; Safety class：IP44; Dimension：158 x 114.8 x 60mm; Mounting method：Din-rail mounting
Warranty	Replacement within 1year; 5 years repairing

Application