TS-IMF12G12

12 Fiber to 12UTP 10/100/1000Mbps Managed Industrial Fiber Switch

Key Features

- 12 x 10/100/1000Mbps Auto-sensing TX RJ45 ports,
- 12 x 1000Mbps SFP fiber ports
- 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 failing
- Support DHCP client/Relay/Snooping/Snooping option 82/Relay option 82
- Support RMON, MIB II, mirror image, event log, DNS, NTP/SNTP, IEEE802.1ab LLDP
- Support IPV6 Telnet server /ICMP v6, SNMP, HTTP, SSH/SSL, NTP/SNTP,TFTP, QoS, ACL.

Introduction

TS-IMF12G12 series is the 10/100/1000 Mbps industrial fiber switch, operating temperature-40 ℃to + 85℃, support wide voltage dual power input, meet IP30 protection degree and EMC industrial grade requirements, support many managed functions, include RSTP IGMP, VLAN, Qos, IPV6, Loop protection, ERPS and so on. 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.

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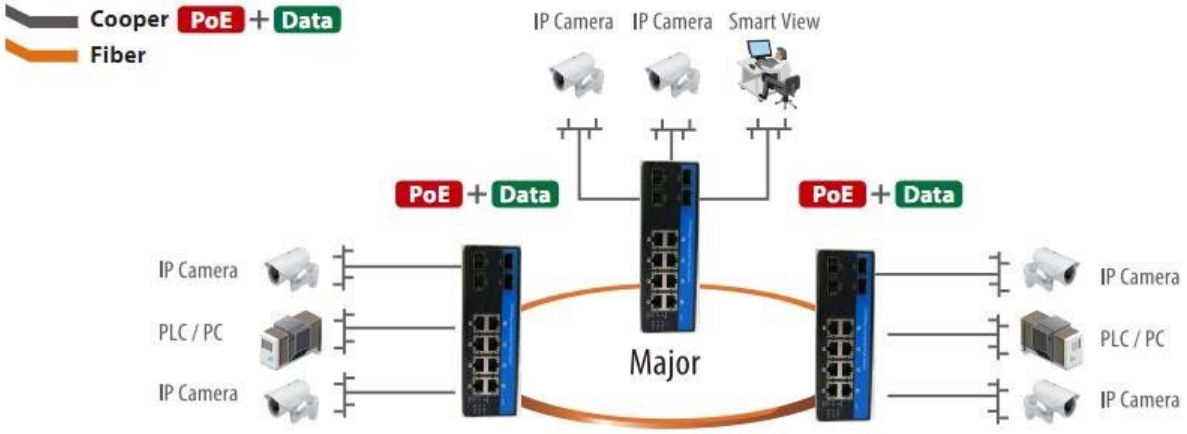
Specification

Product Name	10/100/1000Mbps Industrial Fiber Switch (12F+12TP)
Model No.	TS-IMF12G12
Port	12 x 1000Mpbs SFP ports 12 x10/100/1000M 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
Poe Standard	IEEE802.3af, IEEE802.3at (Poe is optional, default is without Poe)
Switching features	Transmission mode：storage and forward System bandwidth：48Gbps (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	Input voltage：240VAC / 50-60 HZ
Environment	Working temperature：-40°～ 85°C Working humidity：5%～95%, non-condensing
Industry Standards	EMI：FCC Part 15 Subpart B Class A, EN 55022 Class A, EN61000-6-4- Emission for industrial environment EMS：EN61000-6-2-Immunity for industrial environment, 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
Mechanical information	Safety class：IP30 Dimension： 19’’ : 440 x 300 x 44mm

Application

Application & ERPS (Ethernet Ring Protection Switching) topology

Single-Ring Topology



Multi-Ring Topology