

OFS-PE-IGSF2T4

Description

OFS-PE-IGSF2T4 series is an industrial Ethernet switch/media converter independent development by OPTFOCUS, with 4*10/100/1000M Ethernet ports and 2x 1000M fiber port, Users can select different optical modules according to their needs, such as multi-mode dual fiber and single-mode dual fiber, single-mode single fiber, etc. It uses the latest IC in the United States, with stable performance, high quality and high cost performance. It is suitable for industrial scenes such as intelligent transportation, rail transit, electric power, mining, metallurgy and green energy construction to form a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use



Features

- 4*Port 10/100/1000Mbps POE RJ45 with Auto Uplink, 2*port 1000Mbps fiber port;
- Automatic MAC address learning and aging
- Automatically support IGMP (Multicasting)
- 10/100/1000Mbps Auto-negotiation, auto-MDI-MDI-X
- LED indicators for monitoring power/link/activity
- Supports 10/100/1000Mbps-Full/Half-duplex
- Supports Wall-mount and DIN-Rail installation for lightning protection
- Supports Daisy-Chain connection
- Supports Broadcast Storm Control
- Supports Relay output for power failure
- Super lightening protection, IP40 protection.
- Excellent heat elimination without cooling fan.
- Redundant dual DC power inputs.
- Redundant Power Inputs
- Apply to Urban Intelligent Traffic Monitoring System (ITS), Safe City.
- Harsh industrial environment or higher requirement
- -45~85° operating temperature range

Technical parameter list

Standards	IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE 802.3ab
Ports	4*10/100/1000MBase-T, 2*1000MBase-X
Switch Performance	Architecture Store-and-forward Bandwidth 12.0Gbps Buffer 2Mbps Mac Address Table 8192
PoE(Need customer order will add POE module inside)	Standard IEEE802.3af/at PSE Type End-span Power Pin Assignment 1 / 2 (+), 3 / 6 (-) Each port is up to 36W
Twisted Pair Transmission	Twisted pair 0-100m (cat 5, cat 6) Single-mode fiber 20/40/60/80/100/120km Multimode fiber 2km
Mechanical properties	IEC60068-2-6 (anti-vibration). IEC60068-2-27 (anti shock). IEC60068-2-32 (free fall)
Anti-surge / Protection Level	Anti-surge: 4KV 8/20us; Protection Level: IP40 IEC61000-4-2 <ESD> 8kV Contact Discharge, ~15kV IEC61000-4-3 <RS> 10V/m 80~1000MHz IEC61000-4-4 <EFT> Power Line: ~4kV; Data Line: ~2kV IEC61000-4-5 <Surge> Power Line, CM ~4kV/DM ~2kV 100A/m Continued; 1000A/m, 1s to 3s IEC61000-4-9 (Pulsed Magnetic Field) 1000A/m IEC61000-4-10 (Damping Oscillation) 30A/m, 1MHz IEC61000-4-12/18 (SHOCKWAVE) CM 2.5kV, DM 1kV IEC61000-4-16 (Common Mode Conduction) 30V Continued; 300V, 1s FCC Part 15/CISPR22 <EN55022> Class A IEC61000-6-2 (General Industry standard)
Power	POE DC power Input 48~55Vdc (when choice POE module) Power Consumption < 10W (without PoE output) POE Budget 120W Overload Current Protection Yes Reverse polarity protection Yes
Mechanical	Enclosure IP40. Dimension (W*L*H) 130mm * 94mm * 36mm. Weight 0.5KG
Environmental	Operating Temperature -40 ~ +85Degree. Storage Temperature -40 ~ +85Degree Operating humidity 5%~95% non-condensing

Order Information

OFS-PE-IGSF2T4	POE, 2*1000Base-FX to 4*10/100/1000Base-TX Industrial Grade Switch (SFP) 20km, POE 802.3af/at external PS
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