Copper SFP

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Variants

10G 30M   1G Ethernet 100M

Details

Description Product of Copper SFP 10/100/1000 RJ45 100m:

Optcore's OSP1250-ACU01NCR is a high-performance and cost-effective hot-pluggable copper SFP module for 10/100/1000BASE-T Ethernet and 1G Fiber Channel applications. It fully complies with the SFP Multi-Sourcing Agreement (MSA), IEEE 802.3u, and IEEE 802.3ab, which can be used on the MSA standard SFP ports of networking equipment.

The Copper SFP module supports a 1000Mbps data rate up to 100 meters over unshielded twisted-pair Category 5 cables. All four pairs in the cable are used, with a symbol rate of 250 Mbps on each pair. The 10/100/1000 BASE-T physical layer IC (PHY) can be accessed via I2C, allowing access to all PHY settings and features.

Aapplication:

LAN 10/100/1000Base-T

Gigabit Ethernet over Cat6/Cat6a Cable

Switch to Switch Interface

Router/Server Interface

Features:

Support 10/100/1000BASE-T Operation in Host Systems with SGMII interface

100m transmission over Cat6/Cat6a UTP Cable

Hot-Pluggable SFP Footprint

Fully metallic enclosure for low EMI

Low power dissipation (1.05 W typical)

Compact RJ-45 connector assembly

Access to Physical Layer IC via 2-Wire Serial Bus Detailed product informationinEEPROM

Commercial TemperatureRange:0~+70?

Specification:

Product Series	Fiber Optical Transceiver	Optcore Part Number	OSP1250-ACU01NCR
Form Factor	Copper SFP	Data Rate	10/100/1000 BASE-T
Wavelength	N/A	Cable Type	Cat 5 cable
Max Distance	100 m	Optical Components	N/A
Transmitter Power	N/A	Extinction ratio	N/A
Receiver Sensitivity	N/A	Receiver Overload	N/A
Connector	1: RJ-45 Female	Digital Diagnostic Monitoring	No
Environment	Operating: 0°C to 70°C Storage: -40°C to 85°C	Weight	0.025 kg
Application	1x Fiber Channel, Switch to Switch Interface Gigabit Ethernet, Switched Backplane Applications Router/Server Interface, Ethernet Media Converters	Compliance	IEC/EN 61000-4-2,IEC-60825 FDA 21CFR 1040.10 and 1040.11 RoHS