Model : SPL-FOC1SFP10G-1RJ45 Gigabit Media Converter, 1xSFP+ 10Gbps to 1xRJ45 (10G/5G/1.25G Auto)







Features

- Provide one 10 Gigabitoptical port, one 10 Gigabitadaptive electrical port
- Theelectrical port supports1.25/2.5/5/10GBase-T auto-negotiation
- IEEE802.3x flow control supporting full duplex
- Support half-duplex back pressureflow control
- Working wavelength 850nm, 1310nm,1550nm optional
- Provide multiple fiber transmission modes such as dual fiber multi-mode, dual fiber singlemode and single fiber single mode
- Lowpower consumption, low heat, can work stablyfor a long time
- Canwork under the temperature of 0°C~55°C

Applications

- 10G BASE Ethernet
- Data room network

Compliance

- Compliant with IEEE 802.3 / 802.3u / 802.3ab / 802.3x
- Compliant with SFP MSA (INF-8074)
- IEEE 802.3z when used with 1000BASE-X SFP
- SFF-8472 DDM supported (if implemented)
- 10/100/1000 Mbps auto-negotiation, Auto-MDI/MDIX

Description

SLC 10G Base-T to 10G Base-R fiber media converters support two types of media network connections, such as 10GBase-T and 10GBase-FX. Using 10Gbase Ethernet PHY chip design, you can smoothly connect two types of network segments. This media converter can be used as a stand-alone unit or as an embedded module in a 19-inch converter rack for the central wiring closet. The production of the product is carried out in full accordance with the standard process which effectively guarantees the reliability and safety of the product.This series of products can realize the conversion of data signals in two different transmission media of twisted pair and optical fiber in the new high-speed Ethernet optical fiber network, meeting the needs of long-distance and high-speed Ethernet users, and is ideal for users of telecommunications, broadcasting, and broadband networks. Fiber optic transmission equipment.

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Technical Specification

Parameter	Symbol
Cooper Port (RJ45)	1xRJ45
Fiber Port	1xSFP+
Transmission Speed	1.25/2.5/5/10Gbps for half/full duplex 1.25GBaseFX/10GBaseFX
Port Specification	10G SFP+
Cable Type (Fiber)	SM &MM Fiber - Depend on Plug-in Fiber Transceiver
Cable Type(Copper)	UTP Category 5, 5e, 6 Cable (Maximum100m) EIA/TIA-568 100Ω STP (Maximum 100m)
Jumbo Frame	9K
LED Indicator	PWR, Link/Act(FX), SD, Link, Act, 10G
Network Protocol	IEEE802.3x IEEE802.3u100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3z 1000BASE-X IEEE 802.3bz IEEE 802.3an IEEE 802.3ae
Transmission Mode	Store and Forward(full wirespeed)
Power	External power DC 5V-12V 1A
Watt	≤3W；
Operating Temperature/Humidity	0～+55°C； 5%～90% RH Non coagulation
Storage Temperature/Humidity	-40～+75°C； 5%～95% RH Non coagulation
Product size/Packing size (L*W*H)	94mm*70mm*26mm
N.W/G.W（kg）	0.32Kg
Installation	Desktop (optional wall hanger+machine hangerparts)
Certificate	CE mark, commercial； CE/LVD EN60950； FCC Part 15 Class B； RoHS； MA； CNAS
MTBF	＞ 50,000Hrs
Warranty	Whole device for 2 year

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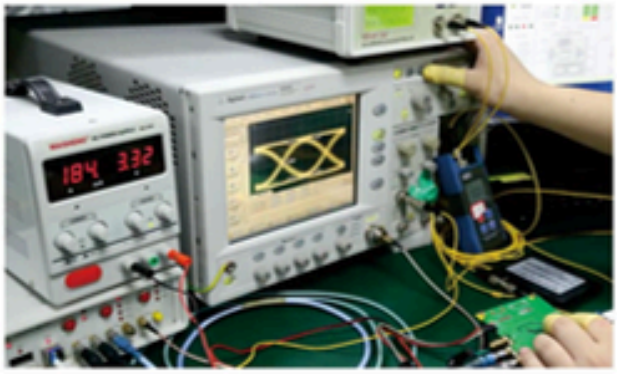
PERFORMANCE TEST

Each fiber optical transceiver has been fully tested in SLC Assured Program equlipped with world's most advanced analytical equipment to ensure that our transceivers work perfectly on your device.



TX/RX Signal Quality Testing

Equipped with the all-in-one tester integrated 4ch BERT & sampling oscilloscope, and variable optical attenuator to ensure the input and output sienal quality.

- Average Output Power
- OMA
- Extinction Ratio
- Receiver Sensitivity

Reliability and Stability Testing

Subject the transceivers to dramatic changes in temperature on the thermal shock chamber to ensure reliability and stability of the transceivers.

- Commercial: 0 °C to 70°C
- Industrial: -40 °C to 85 °C
- TX/RX Signal Quality Testing





Transfer Rate and Protocol Testing

Test the actual transfer data rate and the transmission ability under different protocols with Network Master Pro.

- Ethernet
- Fibre Channel
- SDH/SONET
- CPRI

Optical Spectrum Evaluation

Evaluate various important parameters with the Optical Spectrum
Analyzer to meet the industry standards.

- Center Wavelength
- SMSR
- Spectrum Width



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