



Type: Sepitam-MC11XG-SSXF



Overview :

The device is a converter between optical signal and electrical signal, It can convert 10GBase-TX to 10GBase-FX , Users can choose different types of optical modules according to their needs, A seamless connection between the optical and electrical signals of Ethernet. It can not only extend the transmission distance Moreover, the data has good confidentiality, stable work, and easy maintenance.

Functional :

- ◆ Transmission has higher security and stability;
- ◆ Adopt high performance US Marvel chip, Implement non-blocking transmission switching performance, Guaranteed data
- ◆ Support electric port 10Gbase—Tto10Gbase-SR/LR/ER/ZR;
- ◆ Optical port supports 3R function (Balanced amplification、Clock extraction、Integer regeneration) data transmission Small jitter;
- ◆ Transparent transmission of data, Less delay;
- ◆ Supports 850, 1310, 1550nm and ITU-T specified CWDM / DWDM wavelengths.
- ◆ Support for Extra long frames;
- ◆ Support DMI function of optical module;
- ◆ Support Loopback Loopback function test;
- ◆ Supports SFP+/XFP different interface optical modules;
- ◆ Support 5-20V wide voltage power supply;
- ◆ Support built-in power supply housing;
- ◆ Support rack centralized power management;
- ◆ Support external power supply;



Parameters :

◆ Fiber

◆ Multi-mode Fiber

- 50/125um, 62.5/125um,
- Maximum transmission distance: 5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)
- Wave Length: 820nm
- Transmitting power: -12dBm (Min) ~-9dBm (Max)
- Receiver sensitivity: -28dBm (Min)
- Link budget: 16dBm

◆ Single-mode Fiber

- 8/125um, 9/125um
- Maximum transmission distance: 40Km
- Transmission distance: 40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)
- Wave Length: 1310nm
- Transmitting power: -9dBm (Min) ~-8dBm (Max)
- Receiver sensitivity: -27dBm (Min)
- Link budget: 18dBm

◆ Ethernet UTP Interface :

- Interface rate: 10/100/1000/10000 M, half/full duplex auto-negotiation
- Cable type:UTP-5E or higher
- Transmission distance:100 meters
- Connector: RJ45, support Auto-MDIX

◆ Performance specification :

- Forwarding method: store and forward
- Transmission mode: half/full duplex auto-negotiation
- MAC Address Capability:2K
- Frame memory:1Mbit
- Network delay:≤20μs



◆ **Protocol Standard :**

- IEEE802.3 10Base-T
- IEEE802.3u 100Base-TX/FX
- IEEE802.3ab 1000Base-T
- IEEE802.3z 10GBase-SX/LX
- IEEE802.3x Flow control
- IEEE802.1q VLAN
- IEEE802.1p QoS
- IEEE802.1d Spanning Tree

◆ **Working environment :**

- Working temperature: 10°C—+55°C (Industrial grade)
- Storage temperature: -40°C—+85°C
- Working Humidity: 0%—95% (no condensation)
- MTBF: >100,000 hours

Product Specifications :

Model	Sepitam-MC11XG-SSXF
Functional	10G Fiber Media Converter,10GBase-TX to 10GBase-FX conversion
Port Description	One 10G SFP+ optical port , One 10G Ethernet UTP
Power	Power type: External power supply Power input voltage:50/60Hz Power supply:AC180V ~ 260V; DC -48V; DC +24V Power consumption:12V1A,0.75W~3W
Dimension	Product Size: pocket-size 93X70X25mm(WXDXH) Color: mental black
Weight	0.3kg/Piece



Technical Specification of Sepitam-MC11X-SSXF

شرکت سپیتام



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