



SKY-GMC-2SFP

Open SFP to Open SFP Media Converter

Product Description

This is a media converter with two open SFP port slots, allowing for the conversion among a variety of fiber types. It supports operation with SFP modules operating at 850nm, 1310nm, or 1550nm. It supports both multi-mode (850nm) and single-mode (1310nm / 1550nm) fiber depending on the installed SFP modules. It supports simplex (single-fiber BiDi) or duplex (dual-fiber) operation depending on the installed SFP modules. This flexibility allows for easy network configuration and future network upgrades. Our media converters are 100% compliant for all of our networking needs. Now you have a cost effective solution to your network upgrade needs.

Features:

- Supporting IEEE802.3z 1000Base-SX/LX standards
- Supporting full-duplex/half-duplex.
- Supporting use of SFP modules for multi-mode (850nm) and single-mode (1310nm / 1550nm) fiber
- Supporting direct and transparent transmission of packets at different lengths
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets
- Supporting STP to form redundant network
- Low power consumption, low heat, reliable and stable performance, and long lifetime
- Supporting choosing optical ports from dual fiber (MM), dual fiber (SM), and single fiber (SM)
- 1000Mbps optical Ethernet long-distance transmitting system



For your product safety, please read the following information carefully before any manipulation of the transceiver:



ESD

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 / JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.



LASER SAFETY

This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

Specifications

Parameter	
Access Method	1250Mbps
Standard	IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
Wavelength	850m/1310nm/1550nm
Transmission Distance	Multi-Mode Dual-fiber: 220m (62.5/125 μm)/500m (50/125 μm) Single Mode Dual-fiber: 20/40Km; Single Mode Single fiber: 20/40Km
Port	One multi-mode optical port: Multi-mode: SC (50, 62.5/125μm) One single mode optical port: single mode: SC (9/125 μm) Single mode Single fiber: SC (9/125 μm)
Conversion means	Media Conversion
BER	<10 ⁻⁹
MTBF	100,000 Hours
LED Indicator	PWR (power supply) SM LINK (single mode optical link) MM Link (Multi-mode optical link)
Power Supply	AC220V 0.3A/DC-48V 0.5A
Power Consumption	3.5W
Operating Temperature	-10°C to 55°C
Storage Temperature	-40°C to 70°C
Operating Humidity	5% to 90%
Maintaining Humidity	5% to 90% non-condensing

About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.

