

10G SFP Media Converter

DK-MC-10G-SFP+

The DK-MC-10G-SFP+ 10G SFP media converter is a photoelectric converter that converts Ethernet electrical signals and photoelectric signals. It can convert short-distance 10GBase-TX twisted pair electrical signals and long-distance 10GBase-FX optical signals to each other. Different types of optical modules can be selected as needed, and the seamless connection between the optical signals of the Ethernet and the electrical signals. It not only can extend the transmission distance, but also has many advantages such as good data confidentiality, stable operation and easy maintenance.



Main Features

- Support Ethernet port 10Gbase-T to 10Gbase-SR/LR/ER/ZR;
- The fiber port supports 3R function (equalization amplification, clock extraction, integer regeneration), and the data transmission jitter is small;
- Transparent transmission of data with small delay;
- Supports 850/1310/1550nm and ITU-T specified CWDM/DWDM wavelengths;
- Support for super long frames;
- Support DMI function of optical module;
- Support Loopback and return to functional testing;
- Support SFP+/XFP different interface optical modules;
- Support 5-20V wide voltage power supply;
- Support built-in power supply enclosure;
- Support centralized power supply management of racks;
- Support external power supply;

Product Parameter

Standards	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
Ethernet Port	<ul style="list-style-type: none"> ➤ Connector: RJ45 ➤ Data Rate: 100/1000/10000M ➤ Distance: 100m ➤ UTP Type: UTP-5E or higher level 	
Fiber Port	<ul style="list-style-type: none"> ➤ Connector: SFP+ ➤ Data Rate: 10Gbps ➤ Fiber wavelength: 850nm / 1310nm / 1490nm / 1550nm ➤ Fiber type: single mode 9/125μm, multimode 50/125μm, 62.5/125μm ➤ Distance: 550m~100km 	
Performance	<ul style="list-style-type: none"> ➤ Processing Type: Store and Forward ➤ MAC Table Size: 2K ➤ Buffer Space: 1Mbit ➤ Transmission mode: full-duplex / half-duplex adaptive ➤ Time Delay: <20μs 	
Power	<ul style="list-style-type: none"> ➤ Power type: external power supply ➤ Input Voltage: AC100V~240V 50/60Hz ➤ power connector: DC socket ➤ Working Voltage: 5V4A&12V ➤ Power Consumption: 0.75W~3W 	
Environment	<ul style="list-style-type: none"> ➤ Storage Temperature: -40~70℃ ➤ Operating Temperature: -10~55℃ ➤ Relative Humidity: 5-95% (no condensation) 	
Physical Characteristics	<ul style="list-style-type: none"> ➤ Dimension: 117×85×21mm ➤ Weight: 0.1kg (external) body ➤ Color: Metal, Black 	

Order information

Model	Description
DK-MC-10G-SFP+	10G SFP media converter with 1 Ethernet port and 1 SFP Fiber port