



10GBase-T to SFP+ Media Converter

Product Overview

ECMC-312 Media Converters transparently connect 10GBase-T Ethernet links over multimode or single mode fiber. Each 10GbE Media Converter comes with one RJ45 10GBase-T port and an empty slot for one SFP+ module.

Copper to Fiber conversion is achieved by inserting SFP+ fiber transceivers that support multimode and single-mode fiber, including CWDM/DWDM wavelengths.

Product Specification

Features	
Fiber Fault Alert	With Fiber Fault Alert the state of the 10 Gigabit Ethernet receiver is passed to the transmitter. This provides fault notification to the partner device attached to the 10G Ethernet interface of the media converter.
Jumbo Packets	Transparent to jumbo packets.
VLAN	Transparent to VLAN tagged packets.
Smart Link Pass-Through	When Smart Link Pass-Through is enabled (default), each port will reflect the state of its port peer. In this mode, if a link loss is detected on one port, the transmit signal on the other port is disabled "passing through" the state of the failed link. This enables managed switches and other devices to report link failures to their network NMS. When Smart Link Pass-Through is disabled, if a link loss is detected on one port the transmit signal remains enabled on the other port.
Connectors	
10GBase-T (RJ-45)	IEEE 802.3an 100 meters on CAT6A or better
Pluggable 10G Fiber Transceiver slot	10 Gigabit SFP+ Slot <ul style="list-style-type: none"> Power level 1,2
Supported 10 Gigabit Fiber pluggable transceivers	IEEE 802.3ae compliant: <ul style="list-style-type: none"> 10GBase-SR 10GBase-LRM 10GBase-LR 10GBase-ER 10GBase-ZR CWDM/DWDM
Supported 10 Gigabit Copper pluggable transceivers	SFP+ Direct Attach Cable (DAC). Also known as: <ul style="list-style-type: none"> Twinax 10GBase-CU 10GSFP+Cu 10GBase-CX1 10GBase-CR1
Power	
Power Consumption	12 Watts (Max)
Power Adapter	100-240V AC to DC 12V/1.0A
Mechanism	
Dimension	24 x130x 77 mm (H x W x D)
Mounting	Din Rail or Wall mount (Optional)
Environmental	
Operating Temperature	-20 to 50°C
Storage Temperature	-20 to 70°C
Humidity	10 to 90% RH (non-condensing)