DATASHEET

Compact Media Converter 10G Base-R SFP+ to SFP+



General data

Features
■ Comply with IEEE 802.3ae 10GBase-R, IEEE 802.3z 1000Base-X
Equipped with 2 SFP+ ports that support multi-mode, single-mode, including CWDM/DWDM, or Direct Attached Cable (DAC) for 1Gbps/10Gbps fiber transceivers.
■ Support 3Rs (Re-amplifying, Re-shaping, Re-timing) optical signal regeneration
The data transfer is transparent and regenerated by 3Rs between the different fiber optics devices.
■ Jumbo frame & Transparent mode
Support 9K bytes jumbo frame size and low latency benefiting from the transparent mode in the network traffic.
■ Support Loopback mode
Ensure the circuit quality for installation verification and troubleshooting by running the loopback test.
■ Support Signal Loss Alarm
Offer a quick link indication by detecting the signal loss between two network devices interconnected by the media converter.
■ Fully Compatible with MCT-RACK Chassis Series
A space-saving solution for MCT-RACK chassis series to mix the installation of MCT series converters.
■ In Rack Management
Support CTS MCT-RACK management, it allows

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administrator to configure and monitor the slide-in media converters such as port speed, shutdown and SFP DDMI information.

Connection Technology Systems (CTS) MCT-5002FSMSFP+ media converter is a 10G Base-R SFP+ to SFP+ media converter. MCT-5002FSMSFP+ media converter, featuring two pluggable transceiver SFP+ ports, extends transmission distance with 3Rs (Re-amplifying, Re-shaping, Re-timing) optical signal regeneration for Data Center application or ISP Mobile DU and Enterprise broadband service applications.
With the forwarding capacity at the full wire speed, MCT-5002FSMSFP+ media converter is the most optimized and simplest solution for dispersed network that media conversion is required between multi-mode fiber segments separated due to geographical limit.
MCT-5002FSMSFP+ media converter is fully compliant with IEEE 802.3z and 802.3ae standards. The installation and operation are simple and straightforward.
The operation status can be monitored through a set of diagnostic LED indicators on the front panel. In addition, MCT-5002FSMSFP+ can be monitored and slightly managed when it is inserted into a slot of the MCT-RACK-MGM chassis series. It is especially designed for network operators and metro Ethernet providers who have the need of implementing fiber optical Ethernet networks over long distance, for FTTX solutions, and are looking for an effortless and reliable 10G fiber Ethernet media converter

Technical properties	
Construction type	Single device
Distance	-
Ethernet	False
Fast Ethernet	False
Gigabit Ethernet	True
Layer 2	False
Managed	False
Manufacturer	CTS
Mode	MM or SM
Power over Ethernet	False

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Suitable for 19 inch mounting	False

Available variants

ArtNr.	Bezeichnung	Unique
MCT-5002FSMSFP+	Compact Media Converter 10G Base-R SFP+ to SFP+	Unique

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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