

10G Series Management Media Converter

10G MC SERIES OVERVIEW

10G MC series are complete and versatile solutions for the applications such as FTTx, CWDM, and carrier Ethernet. By the diversified speeds of 1,000Mbps and 10G, Carelink provides standalone 10G MC products for different applications and can be applied according to your ideal network topology.

Carelink' 10G MC series provide various interfaces such as UTP, SFP, SFP+, XFP and CX4. All these interfaces are developed to support the protocols such as 100Base-Tx, 100Base-Fx, 1000Base-T, 1000Base-X, 10GBase-T, 10GBase-LR, 10GBase-SR and 10GBase-CX4, thus making your network more complete and solid.

All 10G MC series are equipped with real-time LEDs which display the status of each port, thus allowing users to view network status easily.

10G MC series provide an easy-to-access Management Webpage, allowing users to view system status, counters, and network statistics.

Also, 10G MC series support MIB Counter Report including counters such as Packet, Byte, Broadcast packet, Pause Frame, Length: 64 Bytes, Length: 65-127 Bytes, Length: 128-255 Bytes, Length: 256-511 Bytes, Length: 512-1023 Bytes, Length: 1024-1518 Bytes, Unicast packet, Multicast packet, CRC Error, IP Checksum Error, Under Size Packet, and Over Size Packet.

With various interfaces, 10G MC series provide different conversions between fibers and copper wires in 10G Ethernet.



FEATURES

- Diversified interfaces including SFP, SFP+, RJ45, XFP and CX4
- Supports 3R (Re-generation, Re-timing, Re-shaping) Performance
- Supports Jumbo Frame
- Supports D/D (Digital Detection) functioned optical transceivers and overload protection
- 10G MC series support easy-to-use Management Webpage that allows users to view system status, counters, and network statistics
- Supports SNMP (Simple Network Management Protocol)
- Supports Link Loss Forwarding

KEY ADVANTAGES







- Fast connection with multi-function
- Provide reliable long-distance connection
- Port supported: SFP, SFP+, RJ45, XFP and CX4
- Small portable size case
- Plug and play without extra configuration

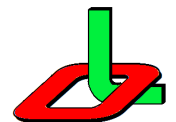
MAIN APPLICATIONS

- Media converter for network backbone
- Connection between fiber to copper or fiber to fiber 10G Ethernet equipment
- Can be applied in Telecommunication room, R&D laboratory, Data center, and etc.

10G Series Management Media Converter

10G MC SERIES SPECIFICATION

Model								
Media Converter	 CL-MC-SFP+2	 CL-MC-XSFP+	 CL-MC-SFP+	 CL-MC-CX4	 CL-MC-XFP 2	 CL-MC-XFP		
Interface Ports								
Interface	Port A	SFP+	SFP+	RJ45	CX4	XFP	RJ45	
	Port B	SFP+	XFP	SFP+	SFP+	XFP	XFP	
Transfer Rate	10G		10G	10G	10G	10G	10G	
Ethernet Mode	10GBase-LR 10GBase-SR	10GBase-LR 10GBase-SR	10GBase-LR 10GBase-SR 10GBase-T	10GBase-LR 10GBase-SR 10GBase-CX4	10GBase-LR 10GBase-SR	10GBase-LR 10GBase-SR	10GBase-T 10GBase-LR 10GBase-SR	
Jumbo Frame	9KB							
System Control *								
System Control	<ul style="list-style-type: none"> ➤ Transceiver Power ON/OFF ➤ Selectable Auto/Force Media Type ➤ System Upgrade (F/W, FPGA) 			<ul style="list-style-type: none"> ➤ Link Connection Mode: Slave/Segment ➤ Loopback * 				
Device Status Report								
Status Report	<ul style="list-style-type: none"> ➤ Information ➤ Link Status ➤ Temperature Detection 			<ul style="list-style-type: none"> ➤ Module Detection ➤ Fiber Module Detection ➤ Transceiver overloading 				
MIB Counter Report *								
Counter Report	<ul style="list-style-type: none"> ➤ Packet ➤ Broadcast packet ➤ Length: 64 Bytes ➤ Length: 128-255 Bytes ➤ Length: 512-1023 Bytes ➤ Unicast packet ➤ CRC Error ➤ Under size packet 			<ul style="list-style-type: none"> ➤ Byte ➤ Pause Frame ➤ Length: 65-127 Bytes ➤ Length: 256-511 Bytes ➤ Length: 1024-1518 Bytes ➤ Multicast packet ➤ IP Checksum Error * ➤ Over size packet 				
Hardware								
Temperature	➤ Operating: 0°C ~ 40°C (32°F ~ 104°F)			➤ Storage: 0°C ~ 50°C (32°F ~ 122°F)				
Humidity (non-condensing)	➤ Operating: 0% ~ 85% RH			➤ Storage: 0% ~ 85% RH				
Dimension	147 mm x 89 mm x 28 mm							



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MANAGEMENT WEBPAGE

10G MC series are embedded with a Management Webpage, and can be accessed by connecting 10G MC's **Management Port** to the network which your PC is connected to, as shown in the figure down below.

10G MC's Management Webpage allows users to configure test parameters, access counters, make system settings and upgrade system firmware.



RELATED PRODUCTS

10G SFP+ / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

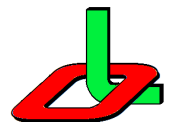
Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-SFP+-SR 550	850 (DFB)	300M	-7 ~ -1	-10	0 to 70	Yes
CL-SFP+-LR 10	1310 (DFB)	10KM	-6 ~ +0.5	-14.4	0 to 70	Yes
CL-SFP+-ER 40	1550 (DFB)	40KM	-6 ~ +5	-18	0 to 70	Yes
CL-SFP+-ZR 80	1550 (DFB)	80KM	-3 ~ +2	-24	0 to 70	Yes

10G BIDI SFP+ / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-SFP+-10-27	1270/1330	10KM	-5 ~ 0	<-14	0 to 70	Yes
CL-SFP+-10-33	1330/1270	10KM	-5 ~ 0	<-14	0 to 70	Yes
CL-SFP+-20-27	1270/1330	20KM	-2~+3	<-14	0 to 70	Yes
CL-SFP+-20-33	1330/1270	20KM	-2~+3	<-14	0 to 70	Yes
CL-SFP+-40-27	1270/1330	40KM	+1 ~ +5	<-15	0 to 70	Yes
CL-SFP+-40-33	1330/1270	40KM	+1 ~ +5	<-15	0 to 70	Yes

10G CWDM SFP+ / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-SFP+40-CXX	1470~1610	40KM	-0.5~+3	<-14.5	0 to 70	Yes
CL-SFP+80-CXX	1470~1610	80KM	0~+4	<-25	0 to 70	Yes



10G Series Management Media Converter

10G DWDM SFP+ / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-SFP+40-DXX	ITU Channels	40KM	-1.5~+3	<-16.5	0 to 70	Yes
CL-SFP+80-DXX	ITU Channels	80KM	0~+4	<-25	0 to 70	Yes

XFP / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-XFP-SR	850 (DFB)	300M	-9 ~ 0	-15 ~0	0 to 70	Yes
CL-XFP-LR 10	1310 (DFB)	10KM	-9 ~ +1	-16 ~0	0 to 70	Yes
CL-XFP-LR 20	1310 (DFB)	20KM	-6 ~ +1	-16 ~0	0 to 70	Yes
CL-XFP-ER 40	1550 (DFB)	40KM	-6 ~ +5	-18 ~0	0 to 70	Yes
CL-XFP-ZR 80	1550 (DFB)	80KM	-3 ~ +6	-20 ~0	0 to 70	Yes
CL-XFP-EZR 25db	1550 (APD)	25db	+0 ~ +5	-25	0 to 70	Yes

BIDI XFP / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-XFP-10-27	1270/1330	10KM	-5 ~ 0	<-14	0 to 70	Yes
CL-XFP-10-33	1330/1270	10KM	-5 ~ 0	<-14	0 to 70	Yes
CL-XFP-20-27	1270/1330	20KM	-2 ~+2	<-14	0 to 70	Yes
CL-XFP-20-33	1330/1270	20KM	-2 ~ +2	<-14	0 to 70	Yes
CL-XFP-40-27	1270/1330	40KM	+1 ~ +5	<-15	0 to 70	Yes
CL-XFP-40-33	1330/1270	40KM	+1 ~ +5	<-15	0 to 70	Yes

CWDM XFP / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-XFP-40-CXX	1270~1610	40KM	-3 ~ +2	<-16	0 to 70	Yes
CL-XFP-80-CXX	1270~1610	80KM	-1 ~ +3	<-24	0 to 70	Yes
CL-XFP-120-CXX	1270~1610	120KM	+4 ~+7	<-20	0 to 70	Yes

DWDM XFP / OC192 / STM-64/10 Gigabit Ethernet (RoHS)

Part Number	Wavelength	Distance	TX Power	RX Sens	Temp	Monitor
CL-XFP-40-DXX	ITU channel	40KM	-3 ~ +2	<-16	0 to 70	Yes
CL-XFP-80-DXX	ITU channel	80KM	-1 ~ +3	<-24	0 to 70	Yes
CL-XFP-120-DXX	ITU channel	120KM	+4 ~+7	<-20	0 to 70	Yes

