10G Ethernet Media Converter (with 3R regeneration)

LTX-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, we provide standalone 10G MC products for different applications and can be applied according to your ideal network topology.

LTX-MC series provide various interfaces such as UTP, SFP, SFP+, XFP and CX4. All these interfaces are developed to support the protocols such as , 10GBase-T, 10GBase-LR, 10GBase-SR, ER, ZR and 10GBase-CX4

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

SPECIFICATIONS

Model	LTX-MCSFP+2	LTX-MCSFP+XFP	LTX-MCSFP+RJ45	LTX-MCSFP+CX4	LTX-MCXFP2	LTX-MCXFPRJ45
Interface ports						
Port A	SFP+	SFP+	SFP+	SFP+	XFP	XFP
Port B	SFP+	XFP	RJ45	CX4	XFP	RJ45
Data rate			10	10G		

Ethernet mode					
10Base-SR	10Base-SR	10Base-SR	10Base-SR	10Base-SR	10Base-SR
10Base-LR	10Base-LR	10Base-LR	10Base-LR	10Base-LR	10Base-LR
		10Base-T	10Base-CX4		10Base-T

Jumbo frame		9k
System control	Transceiver Power ON/OFF	Link Connection Mode: Slave/Segment
	Selectable Auto/Force Media Type	Loop back
	System Upgrade (F/W, FPGA)	Module detection
Device status report	Information	Fiber module detection
	Link status	Transceiver overloading
	Temperature Detection	
MIB counter report	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	Over size packet

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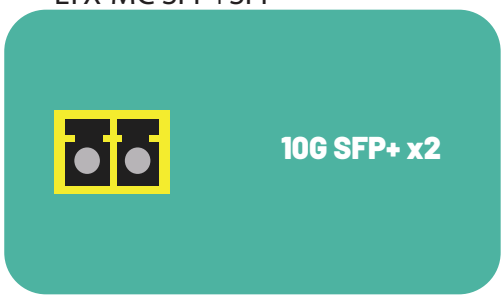
Physical & Environment	
Operating temperature	0°C ~ 40°C
Storage temperature	0°C ~ 50°C
Humidity	0% ~ 85% RH
Dimension	147 mm x 89 mm x 28 mm

ORDERING INFORMATION

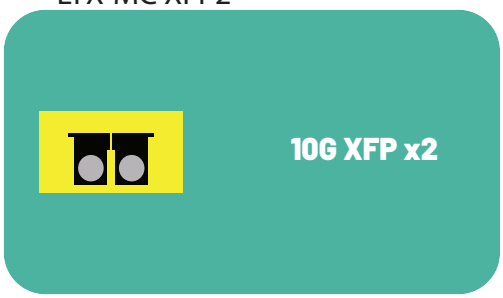
PN	Description
LTX-MCSFP+SFP	10G SFP+ to SFP+ 3R Transponder
LTX-MCSFP+XFP	10G SFP+ to XFP 3R Transponder
LTX-MCSFP+RJ45	10G SFP+ to RJ45 3R Transponder
LTX-MCSFP+CX4	10G SFP+ to CX4 3R Transponder
LTX-MCXFP2	10G XFP to XFP 3R Transponder
LTX-MCXFPRJ45	10G XFP to RJ45 3R Transponder

FUNCTIONAL DIAGRAM

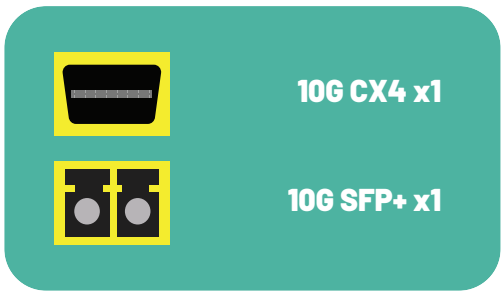
LTX-MC SFP+SFP



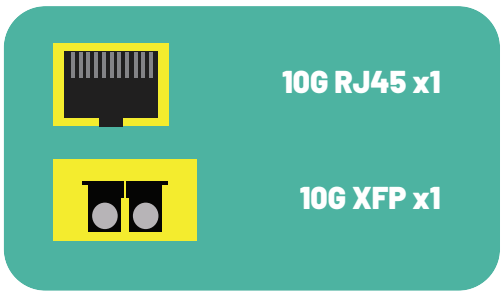
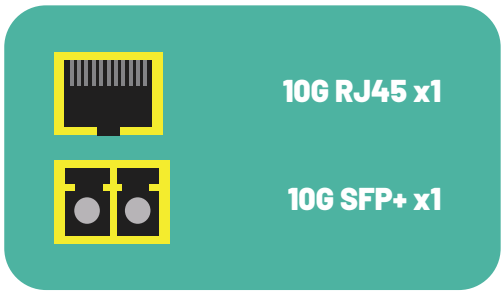
LTX-MC XFP2



LTX-MC SFP+CX4



LTX-MC SFP+RJ45



LTX-MC SFP+RJ45