

## 10G Media Converter

### LT-MC80X (1\*10G SFP+ port + 1\*10/100M/1G/2.5G/5G/10G RJ45 port)

#### Overview:

SmartByte LT-MC80X media converter is a 10G N-Base-T (10/100M/1G/2.5G/5G/10G) to 10GBase-R media converter, Which converts traditional twisted-pair RJ-45 cable into SFP+ slot for pluggable fiber transceiver, extending transmission distance to servers, switches and patch panels for Data Center 10G N-Base-T to 10GBase-R conversion application or ISP Mobile DU and Enterprise broadband service applications.

#### Picture



#### Features:

- 10/100/1G/2.5G/5G/10G BASE-T RJ45 interface with auto MDI/MDI-X function, 10GBASE-X SFP+ slot interface
- IEEE 802.3u/802.3ab/802.3bz/802.3ae Ethernet standard compliant
- Supports auto-negotiation and 100Mbps half/full duplex and 1/2.5/5/10Gbps full duplex mode
- Fan-less design, support plug and play installation

- Support watchdog function, which can restart the equipments automatically when it is frozen
- Wide range input voltage: DC5-12V
- 4KV surge protection; ESD: 8KV/contact, 15KV/air protection

## Technical specification

<b>Ports Interface</b>		
Fixed port	1*10G Base-X SFP+ port + 1*10/100/1G/2.5G/5G/10G Base - T RJ45 port	
Power interface	DC Jack	
<b>Standard</b>	IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet IEEE 802.3x full-duplex flow control	
<b>LED Indicators</b>		
PWR	Power supply indicator	
Fiber Link/Act	Fiber port operation indicator	
SD	Fiber signal detection indicator	
10G	Electrical port speed rate indicator	
Copper Link	Electrical operation state indicator	
Copper Act	Electrical port data receiving/transmission indicator	
<b>Cable type &amp; Transmission distance</b>		
Twisted-pair	1000Base-T: 0-100m Cat5	
	2.5GBase-T: 0-100m Cat5e	
	5GBase-T: 0-100m Cat5e	
	10G Base-T: 0-100m Cat6a	
Fiber	50/125μm or 62.5/125μm multi-mode fiber optic cable, up to 300m, 9/125μm single-mode fiber optic cable, up to 60km	
<b>Electrical Specifications</b>		
Input voltage	DC5-12 V	
Total Power consumption	≤4.1W	
<b>Layer 2 Switching</b>		
Forwarding delay	<5us	
MDX/MIDX	Support	

Watchdog	Support
<b>Environment</b>	
Operating temperature	-20°C~70°C
Storage temperature	-40°C~85°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fan-less, natural heat dissipation
MTBF	100,000 hours
<b>Protection &amp; Certification</b>	
Surge protection of Power	IEC 61000-4-5 Level 4 (4KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level 3 (2KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Certification	CE, FCC, RoHs
<b>Mechanical Structure</b>	
Dimension	95*71*27mm
Installation Method	Desktop, wall-mount
Weight	Net weight 0.2KG

### Order information

Model	Description
LT-MC80X	10G media converter with 1*10/100/1G/2.5G/5G/10G RJ45 port + 10G SFP+ slot, DC5-12V