

## 10/100/1000M Media Converters

### Enhanced Function with Dip switch

#### LT-MC80G Series

##### Overview:

LT-MC80G enhanced function series, featuring with 1\*Gigabit SFP port + 1\* 10/100/1000M RJ45 port, are the 10/100/1000Mbps adaptive Gigabit Ethernet media converter which adopt switching technology to fulfill media conversion. They complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards and provide media conversion between 10/100/1000Base-T and 1000Base-SX/LX interface. The key function of enhanced series are supporting LFP, network storm suppression, forcing the electrical port and fiber port on 100M, which can meet with the different application requirement.

##### Picture



## Features

- 10/100/1000M media converter with SFP slot
- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX
- Media conversion between 10/100/1000Base-T and 1000Base-SX
- Supporting auto-sensing full-duplex and half-duplex operation
- Supporting auto-sensation of MDI/MDI-X, facilitating system commissioning and installation
- Supporting watchdog function, which can restart the equipments automatically when it is Frozen
- Dip switch function: supporting LFP, network storm suppression, forcing the electrical port and fiber port on 100M
- Supporting 1M Large buffer
- Supporting Jumbo frame 10Kbytes
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Store-and-Forward mechanism
- Flexible transmission distance based on different SFP module.
- 4KV surge protection, ESD: Air-15kV, Contact-8kV protection

## Technical specification

Port interface	
Fixed port	1*1000 Base-X SFP port + 1*10/100/1000 Base - T RJ45
Power interface	DC jack
Ethernet standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T , IEEE802.3z 1000Base-SX Gigabit Ethernet
LED indicators	
PWR	Power supply indicator
FDX	Electrical port operation mode indicator
<p style="text-align: center;"><b>LED</b></p> <p style="text-align: center;">Copper 1000M Link      Copper 100M Link Fiber Link/Act      Copper Link/Act</p>	

Link/Act	Link state indicator	
Copper 100M Link	Electrical port speed rate indicator	
Copper 1000M Link	Electrical port speed rate indicator	
Fiber Link/Act	Fiber port link state indicator	
<b>Dip switch function</b>		
1. LFP	2. Network storm suppression	
3. Forcing fiber port on 100M	4. Forcing electrical port on 100M	
<b>Cable type &amp; transmission distance</b>		
Twisted-pair	0-100m (CAT5e,CAT6)	
Fiber port	Depending on the SFP module	
<b>Electrical Specifications</b>		
Input voltage	DC 5 V	
Total Power consumption	full load≤1.6W	
<b>Layer 2 Switching</b>		
Switching capacity	14G	
Packet forwarding rate	10.416Mpps	
MAC address table	8K	
Buffer	1M	
Forwarding delay	<5us	
MDX/MIDX	Support	
Jumbo Frame	Support 10Kbytes	
Watchdog	Support	
LFP	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>		
Power surge protection	IEC 61000-4-5 Level 4 (4KV) (8/20us)	
Ethernet port surge protection	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>Structure</b>		
Dimension	93*71*27mm	
Installation method	Desktop, wall-mount	
Weight	Net weight 0.2KG	

## Order information

Model	Description
LT-MC80G	10/100/1000Base-T to 1000Base-F,1*Gigabit SFP port + 1*10/100/1000M RJ45 port, without SFP module, external power adaptor, enhanced function with Dip switch