

# 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

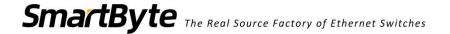
## Frozen

- 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	LED			
PWR	Power supply indicator Copper Copper			
FDX	Electrical port operation mode indicator   1000M Link   1			

Link/Act	Link state indicat	tor		
Copper 100M Link		peed rate indicator		
Copper 1000M Link		Electrical port speed rate indicator		
Fiber Link/Act		Fiber port link state indicator		
Dip switch function				
1. LFP		2. Network storm suppression		
3.Forcing fiber port on 100M		4. Forcing electrical port on 100M		
5 1		, ,		
Cable type & transmission	on distance			
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		
<u> </u>				
Layer 2 Switching				
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		
Environment				
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		
Desired O.O. 100 11				
Protection & Certification	on			
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) IEC 61000-4-2 Level 4 (8K/15K)		
ESD Free fall		0.5m IEC 61000-4-2 Level 4 (8K/15K)		
Free fall Certification		CE, FCC, RoHs		
Certification		CL, FCC, NUTS		
Structure				
Dimension		93*71*27mm		
Installation method		Desktop, wall-mount		
Weight		Net weight 0.2KG		
vveigni		INCL WEIGHT U.ZING		



## **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