

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		<p style="text-align: center;">LED</p> <p>Copper 1000M Link Copper 100M Link</p> <p>Fiber Link/Act Copper Link/Act</p>
PWR	Power supply indicator	
FDX	Electrical port operation mode indicator	

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	
Dip switch function		
1. LFP	2. Network storm suppression	
3. Forcing fiber port on 100M	4. Forcing electrical port on 100M	
Cable type & transmission distance		
Twisted-pair	0-100m (CAT5e,CAT6)	
Fiber port	Depending on the SFP module	
Electrical Specifications		
Input voltage	DC 5 V	
Total Power consumption	full load≤1.6W	
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	
Protection & Certification		
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	
Structure		
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