

10/100/1000M Media Converters

Enhanced Function with Dip switch

LT-MC80G-SC Series

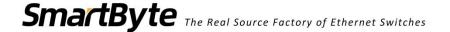
Overview:

LT-MC80G-SC enhanced function series are the 10/100/1000Mbps adaptive Gigabit Ethernet media converter which adopt switching technology to fulfill media conversion. It complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards. They provide media conversion between 10/100/1000Base-T and 1000Base-SX/LX interfaces such as multi-mode LC/SC connectors (220m / 550m), single-mode LC/SC connectors (20//40/60/80/100km) and single fiber connectors (WDM, 20/40/60/80km) for various fiber optic applications, which can be widely used in powerful solution for FTTX projects. 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

- ➤ 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-X
- > 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

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- > 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
- > Options in multi-mode dual fiber, single mode dual fiber, single mode single fiber
- > Transmission distance 2KM ~ 100KM optional
- > 4KV surge protection, ESD: Air-15kV, Contact-8kV protection

Technical specification

Port interface		
Fixed port	1*1000 Base-X SC port(ST/FC optional)+ 1*10/100/1000 Base - T	
	RJ45 port	
Power interface	DC jack	
Ethernet standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet,	
	IEEE802.3ab 1000Base-T , IEEE802.3a	z 1000Base-SX Gigabit Ethernet
LED indicators		LED
PWR	Power supply indicator	Copper
FDX	Electrical port operation mode	1000M Link 100M Link
	indicator	Fiber Copper Link/Act

Link/Act	Link state indicat	tor	
Copper 100M Link	Electrical port sp	peed rate indicator	
Copper 1000M Link	Electrical port sp	peed 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	on distance		
Twisted-pair		0-100m (CAT5e,CAT6)	
Single mode dual fiber		20/40/60/80/100KM	
Single mode single fiber		20/40/60/80KM	
Multimode dual fiber		550m	
Electrical Specifications		T	
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	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)	
ESD		IEC 61000-4-2 Level 4 (8K/15K)	
Free fall		0.5m	
Certification		CE, FCC, RoHs	
Structure			
Dimension		93*71*27mm	
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Installation method	Desktop, wall-mount
Weight	Net weight 0.2KG

Order information

Model	Description
LT-MC80G-SC	10/100/1000Base-T to 1000Base-X,1*Gigabit SC port +1*10/100/1000M RJ45 port,
	mutli-mode,550m, SC standalone, external power adaptor; FC/ST optional, enhanced
	function with Dip switch
LT-MC80G-SC20	10/100/1000Base-T to 1000Base-X, 1*Gigabit SC port +1*10/100/1000M RJ45 port ,
	single-mode dual fiber, 20km, SC standalone, external power adaptor;
	40/60/80/100KM optional, ST/FC optional, enhanced function with Dip switch
LT-MC80G-SC20A	10/100/1000Base-T to 1000Base-X, 1*Gigabit SC port +1*10/100/1000M RJ45 port,
	single-mode single fiber, 20km, SC standalone, TX1310nm, external power adaptor;
	40/60/80KM optional, ST/FC optional, enhanced function with Dip switch
LT-MC80G-SC20B	10/100/1000Base-T to 1000Base-X,1*Gigabit SC port +1*10/100/1000M RJ45 port,
	single-mode single fiber,20km, SC standalone, TX1550nm, external power adaptor;
	40/60/80KM optional, ST/FC optional, enhanced function with Dip switch