10/100/1000M Media Converters
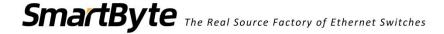
LT-MC60G series

Overview:

LT-MC60G 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 interfaces from 2KM to 100KM based on different SFP module for various fiber optic applications, which can be widely used in powerful solution for FTTX projects

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-SX

➤ 10/100/1000M media converter with SFP slot

➤ 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

➤ 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.

➤ 2KV 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 port
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	LED — Copper 1000M Link / Copper 100M Link / Fiber Link/Act / Copper Link/Act / FDX / PWR
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	

Cable type & transmission distance	
Twisted-pair	0-100m （CAT5e,CAT6)
Fiber port	Depending on different 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
Environment	
Operating temperature	-20℃~70℃
Storage temperature	-40℃~85℃
Relative humidity	5%~95%（non-condensing）
Thermal methods	Fan-less, natural heat dissipation
MTBF	100,000 hours
Protection & Certification	
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-MC60G	10/100/1000Base-T to 1000Base-X, 1*Gigabit SFP port　+ 1*10/100/1000M RJ45 port, without SFP module, external power adaptor