

1*10G SFP+ slot + 4*100/1000Base-T

Physical Isolated Media Converter

LT-MC8005XG-PI Series

Overview:

SmartByte LT-MC8005XG-PI series are the physical isolated media converters which featuring with 4*100/1000Base-T(PoE optional) physical isolated 100Mbps or full duplex 1000Mbps ports and 1*10G SFP+ slot. LT-MC8005XG-PI adopt high speed TDM technology, each port occupies the separate Gigabit transmission channel, which can avoid the mutual interference between each subsystem and data mutual infiltration from different channels. They are especially suitable for the construction of internal network and public information network at the same time and requires a high degree of isolation between each network channels, they are also especially suitable for situations where fiber resources are very tight and many independent Ethernet channels are required. They can be widely used on the LED high-definition large screen signal transmission, government network, military, transportation and other fields

Picture



Feature:

- 1*10G SFP+ slot uplink, 4*100/1000Base-T RJ45 ports downlink (PoE optional)
- Completely physical isolated each port and used in pairs(local site and remote site)
- Low jitter, low latency, non-blocking framework, making the transmission safe & reliable
- Only one 10G fiber uplink, enough large band width and saving fiber resource
- Fan-less design, support plug and play installation
- Supports watchdog function, which can restart the equipments automatically when it is frozen
- Wide range input voltage: DC5-16V (Non-PoE)
- 4KV surge protection; ESD: 8KV/contact, 15KV/air protection

Technical specification

Ports interface	
Fixed port	4*100/1000 Base-T +1* 10GBase-X
Power interface	PoE: DC Jack (2.1mm) Non-PoE: DC jack(2.5mm)
LED Indicators	P: Power indicator M: PoE model, the red indicator will flash for alarm if the load exceed the 90% of the total power full load; Non-PoE model, chipset operate abnormal alarm 5: the Link/act indicator of port 5 N : It is often off when the equipment only have 5 ports
Optical fiber interface	LC、 SC
Cable type & Transmission distance	
Twisted-pair	Non-PoE: 0-100m (CAT5e,CAT6) PoE(1000Mbps) : 0-100m (CAT5e,CAT6) PoE(10Mbps) : 0-250m (CAT5e,CAT6)
Fiber ports	Depending on the SFP+ module
Electrical Specifications	
Input voltage	Non- PoE: DC5-16V PoE: DC48V (recommend DC52-57V)
Total Power consumption	Non-PoE full load (Total power) ≤5W;

	PoE full load (802.3af, 802.3at) ≤125W
PoE Support(optional)	
PoE port	1-4
PoE Protocol	IEEE802.3af, IEEE802.3at
Pin Assignment	1/2(+), 3/6(-)
PoE Max power of single port	IEEE802.3af : 15.4W IEEE802.3at: 30W
PoE Short circuit protection	Support
Environment	
Operating temperature	0°C~+50°C
Storage temperature	-40°C~+70°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fan-less, natural cooling
MTBF	50,000 hours
Protection & Certification	
Power interface surge protection	IEC 61000-4-5 Level 3 (2KV) (8/20us)
Ethernet interface surge protection	IEC 61000-4-5 Level 4 (4KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Certification	CE/FCC/RoHS/CCC
Mechanical Dimensions	
Product size	140*88*28mm (LxWxH)
Installation Method	Desktop
Net Weight)	0.3KG

Order information

Model	Description
LT-MC8005XG-1XS4GT-PI	Physical media converter with 1*10G SFP+ slot + 4*100/1000Base-T RJ45 ports, DC5-16V power supply
LT-MC8005XGP-1XS4GT-PI	Physical PoE media converter with 1*10G SFP+ slot + 4*100/1000Base-T PoE ports, DC52V power supply