2*10/100/1000Base-T to 2*100/1000Base-X

Compact Industrial Media Converter

LT-IMC30G-2GX2GT-E

Features:

- 2*10/100/1000Base-T RJ45 ports, 2*100/1000Base-X SFP ports
- DC 12~58V input, redundant power supply with polarity reverse/over-voltage protection
- Powerful Dip switch function:

  1. Fiber redundant; 2. Flow control;

  3.Broadcast storm restrain; 4. Fiber ports 100/1000M selection
- Support 10K Bytes Jumbo frame and 1M large buffer
- Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- IP40 fan-less and Din-rail hardware design with compact size (30*85*85mm)
- Operation temperature: -40 ℃ ~+75℃

Overview

The SmartByte LT-IMC30G-2GX2GT-E is the unmanaged industrial grade media converter with 2-port 10/100/1000-T RJ45 and 2-port 100/1000Base-X fiber optical interfaces. It is featuring with fiber redundant, flow control, broadcast storm restrain and fiber ports 100/1000M selection function, which all can be configured by the Dip switch on the top panel.

LT-IMC30G-2GX2GT-E is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less compact housing with Din-rail installation, wide operation temperature from -40° C to 75° C as well as high-level EMI/EMC capability and so on. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications

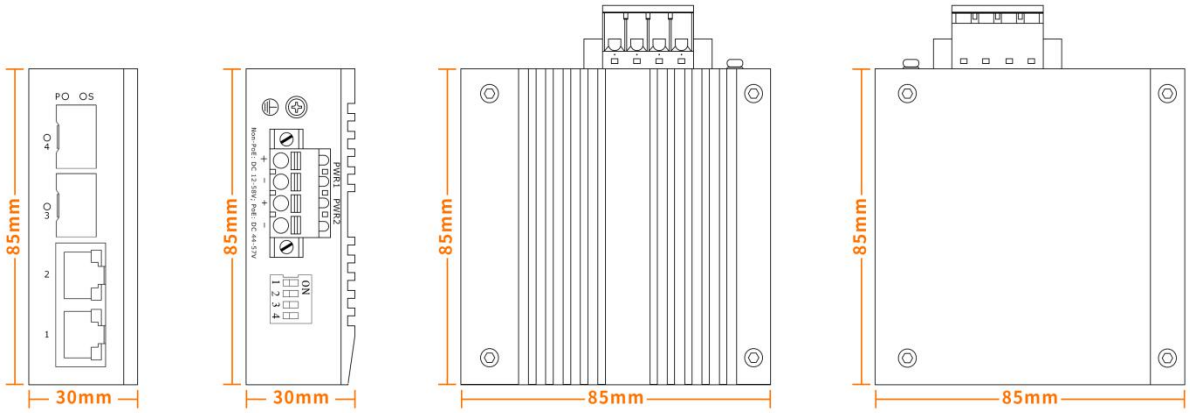
Technical specification

<table>
<tr><td>Model No.</td><td colspan="3">LT-IMC30G-2GX2GT-E</td></tr>
<tr><td rowspan="2">Interface</td><td>Fiber ports</td><td colspan="2">Copper RJ45 ports</td></tr>
<tr><td>2</td><td colspan="2">2</td></tr>
<tr><td>Ethernet</td><td colspan="3">2*10/100/1000Base-T RJ45
2*100/1000Base-X SFP</td></tr>
<tr><td>Standard</td><td colspan="3">IEEE 802.3 10Base-T Ethernet
IEEE 802.3u Fast Ethernet
IEEE 802.3ab Gigabit Ethernet
IEEE 802.3x Full-Duplex Flow Control
IEEE 802.3az Energy Efficient Ethernet</td></tr>
<tr><td>Dip Switch</td><td colspan="3">1. Fiber redundant
2. Flow control
3. Broadcast storm restrain
4. Fiber ports 100/1000M selection</td></tr>
<tr><td rowspan="5">LED Indicators</td><td rowspan="2">P(Power indicator) Green</td><td colspan="2">Off: the device is power off or failed</td></tr>
<tr><td colspan="2">On: the device power on is normal</td></tr>
<tr><td rowspan="2">S(System indicator) Red</td><td colspan="2">Off: the chip is normal</td></tr>
<tr><td colspan="2">On: the chip read/write is unnormal</td></tr>
<tr><td>1-2 (Copper ports)</td><td>Green indicators</td><td>Yellow indicators</td></tr>
</table>

		Off: ports link down	Off: port speed is 10/100M
		On: ports link up	On: port speed is 1000M
		Blinking: data on TX/RX	
	3-4 (Fiber ports) Green	Off: ports link down	
		On: ports link up	
		Blinking: data on TX/RX	
Power parameters			
Input voltage	12-58VDC, redundant power input		
Input current	0.3A Max		
Total power consumption	Full loading ≤3W		
Connector	Removable 4-pin terminal block		
Reverse polarity protection	Support		
Over-voltage protection	Support		
Switching features			
Switching capacity	8G		
Packet forwarding rate	11.9Mpps		
MAC address table	8K		
VLAN	4K		
Buffer	1M		
Forwarding delay	<5us		
Jumbo Frame	Support 10Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
Network Topology			
Star topology	Support		
Bus topology	Support		

Tree Topology	Support
Mechanical structure	
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	30*85*85mm
Weight	0.22 kg
Operating environment	
Operating temperature	-40℃~+75℃
Storage/transportation temperature	-40℃~+85℃
Relative humidity	5%~95%（non-condensing）
Industrial Standard	Surge protection of power: IEC 61000-4-5 Level 3 (4KV/2KV) （8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5 Level 3 (4KV/2KV) （10/700us)
	DIP: IEC 61000-4-11 Level 3（10V）
	ESD: IEC 61000-4-2 Level 4（8K/15K）
	Shock：IEC 60068-2-27
	Free fall：IEC 60068-2-32
	Vibration：IEC 60068-2-6
Certification	CCC/CE/FCC/RoHS
Warranty	5 years

Structure diagram



Order information

Model	Description
LT-IMC30G-2GX2GT-E	10/100/1000Base-T to 1000Base-X unmanaged compact industrial media converter with 2*10/100/1000Base-T RJ45 ports and 2*100/1000Base-X SFP slots, DC12-58V input, redundant dual power supply, Din-rail installation. Fiber port transmission distance depending on the SFP module; Operation temperature: -40℃～+75℃