8*10/100/1000Base-T EN50155 Unmanaged Industrial Ethernet Switch
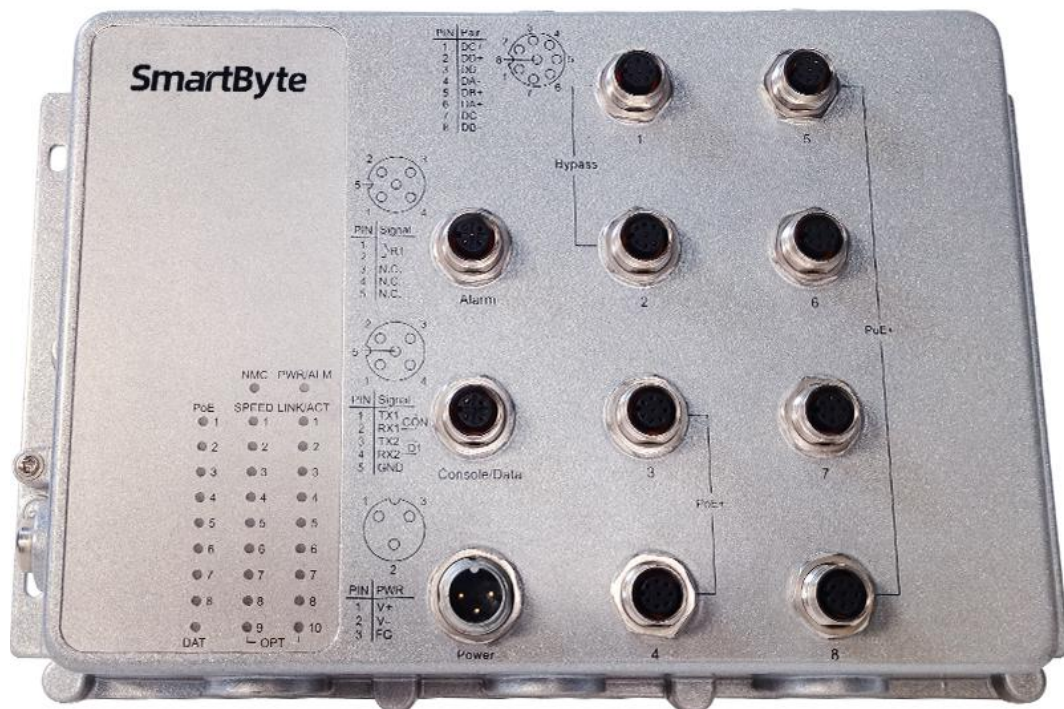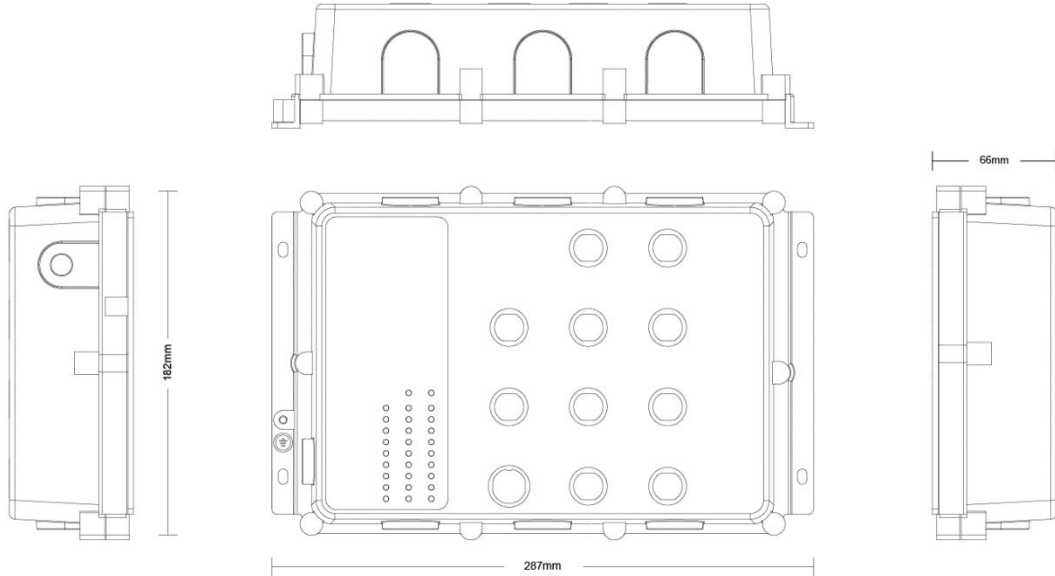
LT-IP8008G-8GT

Overview:

SmartByte LT-IP8008G-8GT is an 8 *10/100/1000 Base-T with M12-connctor unmanaged industrial Ethernet switch for IP67 rated protection, which meets the high reliability requirements demanded by industrial rolling stock applications. The LT-IP8008G-8GT supports IEEE802.3af/at standard which can offer PoE+ up to 30W for 3-8 ports for big power consumption devices like PTZ camera, High power wireless AP etc.

The LT-IP8008G-8GT is designed to meet with critical network environment with IP67 enclosure and M12 connectors for protection against dust and water. IP67 model can be immersed 1 meter under water for 60 minutes long, so it is the best to place in the highly damp and moisture area in the train, vehicle or rail-side. Both have passed harsh environmental testing to comply with Industrial EMI and Safety standards as well as stability testing such as Free fall, Shock, and vibration. It is extended operating temperature range from -40°C to 75°C and with EN45545-2 Fire & Smoke, EN50155 verification, LT-IP8008G-8GT is the best choice for railway applications

Picture

Features

- 8 *10/100/1000Base-T M12 connectors and IP67 rated protection(PoE optional)
- Dual power supply design with wide range DC12-58V/ 66-160V
- Support star, bus and tree topology
- Support big switching capacity: 26Gbps
- Support 2M large buffer
- Support 10K bytes jumbo frame
- 1-2 ports support Bypass function
- Support watchdog function, the equipment can restart automatically if it is frozen
- Support 4KV surge protection and ESD: Air-15kV, Contact-8kV protection
- Support Din-rail installation
- Operation temperature: -40℃~+75℃
- 5 years warranty

Technical specification

Ports interface	
Fixed port	8*10/100/1000Base-T, M12 connector
Power interface	M16 connector
Alarm port	M12 connector
LED Indicators	PWR, PoE power supply indicator, ALM, Interface status
Cable type & transmission distance	
Twisted-pair	0-100m （CAT5e,CAT6）
Network Topology	
Star topology	Support
Bus topology	Support
Tree Topology	Support
Electrical Specifications	
Input voltage	DC 66-160V /12-58V
Total Power consumption	<6W
Layer 2 Switching	
Switching capacity	26G
Packet forwarding rate	19.34Mpps
MAC address table	16K
Buffer	2M
Forwarding delay	<5us

MDX/MIDX	Support
Jumbo Frame	Support 10K Bytes
Bypass	Copper port 1~2 support
Watchdog	Support
Environment	
Operating temperature	-40℃~+75℃
Storage temperature	-40℃~+85℃
Relative humidity	5%~95% non-condensing
Thermal methods	Fan-less, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product size	287X182X65.7mm
Installation Method	DIN rail
Weight	1.2KG around
Protection & Certification	
Case protection level	IP67
Surge protection of Power	IEC 61000-4-5　Level 3 (4KV/2KV)　(8/20us)
Surge protection of Ethernet port	IEC 61000-4-5　Level 4 (4KV/2KV)　(10/700us)
RS	IEC 61000-4-3Level 3（10V/m）
EFI	IEC 61000-4-4　Level 3（1V/2V）
CS	IEC 61000-4-6　Level 3（10V/m）
PFMF	IEC 61000-4-8　Level 4（30A/m）
DIP	IEC 61000-4-11Level 3　(10V)
ESD	IEC 61000-4-2　Level 4（8K/15K）
Free fall	0.5m
Certification	CE/FCC/RoHS/CCC
Warranty	5 years

SmartByte

The Real Source Factory of Ethernet Switches

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Appearance diagram

66mm

182mm

287mm

Order information

Model	Description
LT-IP8008G-8GT	8*10/100/1000Base-T M12 connector unmanaged industrial Ethernet switch (PoE optional) DC12-58V/DC66-160V input, redundant dual power supply, Din-rail installation. Operation temperature: -40℃～ +75℃