4 *1000 Base-X SFP + 16 *10/100/1000Base-T PoE Ports
Managed Industrial PoE Switch
LT-IS6220GP-4GX16GT

Overview:

SmartByte's LT-IS6220GP-4GX16GT is a 4*1000Base-X SFP ports + 16*10/100/1000Base-T PoE ports full gigabit managed industrial PoE switch. It complies with IEEE802.3af, IEEE802.3at standard PoE protocol, the Max power consumption can reach 30W (PoE+) per port, which is ideal choice for   surveillance, wireless and VoIP networks. Through the fan-less cooling design, wide range working environment temperature -40℃ ~ +75℃, high protection level and industry quality, it is   one of the most reliable choice for easy managed Fiber Ethernet application under harsh environment. Meanwhile, it supports the public Ethernet multi ring protection technology (ERPS), which can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.
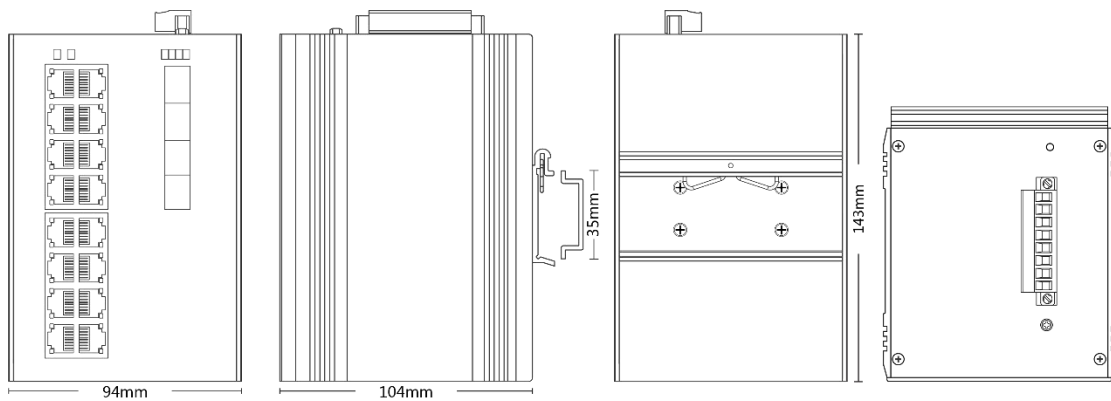
Picture

Features:

- 4*1000Base-X SFP ports uplink, 16 *10/100/1000Base-T RJ45 PoE ports downlink

- DC48~58V wide input, redundant power with polarity reverse protect function

- Complies with IEEE802.3af and IEEE802.3at PoE standard protocol, Max consumption per port can reach 30W (PoE+)

- IP40 industrial case protection level and fan-less design

- Industrial Marvell chipset to make sure the high performance and quality

- Layer 2 features: Support flow control, 10K bytes Jumbo frame, VLAN; ERPS, STP/RSTP/MSTP; Link aggregation, IGMP snooping, port mirroring, storm control, QINQ, 802.1X, port isolation, RMON, NTP client, DHCP snooping/client, Ping/Tracert test, Dying gasp , ACL, QoS , PoE management and SFP DDM function

- Management and maintenance: IPv4 and IPv6 dual stack management; Support Web, SNMP, CLI, Telnet/SSH management method; Support user management, system log, configuration upload/download through web interface, firmware upgrade via HTTP/TFTP

- Support watchdog function, which can make the equipment work again if it is frozen

- Support ring, star, bus, tree and hybrid network topology

- Support 6KV 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	4*1000 Base-X SFP ports, 16*10/100/1000 Base-T RJ45 PoE ports
Management Port	Support console
Power interface	Phoenix terminal, dual power input
LED indicators	PWR， Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m （CAT5e,CAT6)
SFP slots	Depending on the SFP modules
Network Topology	
Ring topology	√
Star topology	√
Bus topology	√
Tree Topology	√
Hybrid topology	√
Electrical Specifications	
Input voltage	DC48~58V(PoE)
Total Power budget	< 386W(PoE), depending on the power supply
PoE Support	
PoE port	1-16
PoE Protocol	IEEE802.3af & IEEE802.3at
Pin Assignment	1/2(+) 3/6(-)
PoE Management	√
Layer 2 Switching	
Switching capacity	68G
Packet forwarding rate	50.59Mpps
MAC address table	16K
VLAN	Support 4K
Buffer	12M
Forwarding delay	<10us
MDX/MIDX	√
Flow control	√
Jumbo Frame	Support 10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 groups
Multicast	Support IGMP Snooping
Port Mirroring	√
Storm Control	√
Interface Counters	√
QINQ	√
802.1X	√

MAC Authentication	√
Port Isolation	√
RMON	√
NTP Client	√
DHCP CLIENT	√
DHCP snooping	√
Ping/tracert test	√
Dying gasp	√
DDM	√
Convergence	
ACL	Support ACL 500 Support IP standard ACL Support MAC expand ACL Support IP expand ACL
QoS	Support QoS re-marking, priority mapping Support SP, WRR queue scheduling Support engress rate-limited, egress rate-limit Support Policy-based QoS
Management	
CLI	√
Console	√
Management IP	Support IPv4/IPv6
Telnet/SSH	√
WEB management	√
SNMP	Support SNMPv1/v2c/v3
User Management	√
System Log	√
Configuration File Download/Upload	√
Upgrade Firmware	√
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 Specification	
Dimension	48X104X143mm
Installation method	DIN-rail
Weight	Net weight 1KG
EMC&INGRESS PROTECTION	
Case protection level	IP40
Surge protection of Power	IEC 61000-4-5 Level X （6KV/6KV）（8/20us）
Surge protection of Ethernet port	IEC 61000-4-5 Level 4 （4KV/4KV）（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

Appearance diagram

Front view	Side view	Back view	Top view

94mm　　104mm　　35mm　　143mm

Order information

Model	Description
LT-IS6220GP-4GX16GT	10/100/1000Base-T to 1000Base-X managed industrial POE switch, 4*1000M SFP slots + 16*10/100/1000M RJ45 PoE ports, complies with IEEE802.3af & IEEE802.3at standard PoE protocol, DC48-58V, Phoenix terminal, redundant dual power supply, Din-rail installation. Transmission distance depending on the SFP module;　Operation temperature: -40℃～+75℃