BOX-G082GSP Built-in Switch

MAIN FEATURES

2*1000Base-X, 8*10/100/1000Base-T

Industrial Ethernet PoE Switches

Input Voltage: DC 48-57V(PoE)

Operating Temperature: -40℃ ～ +75℃

Shell: IP40 protection, fanless design

Test Report: CCC, RoHS, FCC, CE

Anti-static: 8KV-15KV

MTBF: 100000 Hour

PRODUCT DESCRIPTION

This model is Industrial unmanaged switches. This device is 2*1000 Base-X with 8*10/100/1000Base-T, PoE/PoE+ support. Through the fanless cooling circuit and full aluminum cases design, IP40 rated protection and wide range working temperature from -40 to 75 degree C, 8-15KV anti-static and 4-6KV surge protection, rugged DIN-rail installation. 2/4/5/8/10/16/24 ports are optional. The industrial grade design has greatly enhanced the flexibility of the industrial network. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

PRODUCT PARAMETERS

Provider Mode Ports	
Fixed port	2*1000 Base-X, 8*10/100/1000Base-T
Power interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, OPT, NMC, ALM

Dialing instructions (PoE)

1 I/R	Auto detect and reboot the unresponsive PoE devices for recovery
2 VLAN	VLAN Isolation
3 Q/I	Port Isolation
4 F/P	VIP power supply for port 1 & port 2, and traffic forwarding priority for port 1& port 2

Cable Type & Transmission Distance

Twisted-pair	0-100m（CAT5e,CAT6）
Monomode optical fiber	20/40/60/80/100KM
Multimode (optical) fiber	550m

Network Topology

Ring topology	Unsupported
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support

Electrical Specifications

Input voltage	DC48~58V(PoE)
Total Power consumption	<6W(Non-PoE); <246W(PoE)
Voltage Alarm	Support

PoE Support

PoE port	1~8
PoE Protocol	802.3af，802.3at
Pin Assignment	1,2,3,6

Layer 2 Switching

Switching capacity	26G
Packet forwarding rate	19.34Mpps
MAC address table	16K
Buffer	2M
Forwarding delay	<5us
MDX/MIDX	Support
Flow control	Unsupported
Jumbo Frame	Support 10K Bytes
WatchDog	Support
Port Isolation	Support

Environment

Operating temperature	-40℃~+75℃
Storage temperature	-40℃~+85℃
Relative humidity	5%~95% non-condensing
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

Mechanical Dimensions	
Product size	143X104X48mm
Installation Method	DIN rail
Weight	0.6KG around
EMC & Ingress Protection	
IP 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 X（4KV/4KV）（10/700us）
RS	IEC 61000-4-3 Level 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 61000-4-11 Level 3 （10V）
ESD	IEC 61000-4-2 Level 4（8K/15K）
Free fall	0.5m
Authentication	
Authentication	CCC, CE, FCC, RoHS
Accessories	
Accessories	Device, Terminals, Specification, Certificate, power adapter(optional)
Optional model	
XPTN-9000-65-2GX8GT	2*1000Mbps SFP Port, SC/FC/ST/LC optional 8*10/100/1000Mbps RJ45 Port