

8GE+2GF Managed Industrial Smart Ethernet Box

Model: SBOX2802SFGB-I



The SBOX2802SFGB-I Is An Outdoor Industrial PoE Switch With 8× Gigabit PoE Ports (Up To 2 Ports Supporting 90W PoE++) And 2× Gigabit SFP Slots, Operating From -40°C To 75°C. Features Full L2 Functions Including VLAN, QoS, Multicast, Port Mirroring, LLDP, Security, Spanning Tree, ERPS Ring, PoE And SNMP Management, With IP-Rated And Lightning Protection For Harsh Environments.

- 8GE+2GF Managed Industrial PoE Switch Smart Ethernet Box
- Input voltage: AC100-240V, 50/60Hz
- Surge Proof: (8KV/6KV); ESD:(8K/15K)
- IP protection level:IP55
- -40°C~75°C working temperature
- Include 300W power supply

Interfaces

Model	SBOX2802SFGB-I
Interface	8*10/100/1000Base-T PoE ports (Data/Power) 2*100/1000Base-X uplink SFP fiber slot port (Data)
Ethernet Port	Port 1-8 support 10/100/1000Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption

PoE

PoE Standard	IEEE802.3af/at/bt (Port1-Port2 Support BT90W Output)
SFP Port	Gigabit SFP optical fiber port, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Power Adaptor	240 W
LED Indicators	PWR, OPT, NMC, ALM
Power Interface	AC Input
Optical Cable	Multimode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Network Topology	Support Star topology, Bus topology, Tree Topology, Hybrid topology
Input voltage	AC100-240V, 50/60Hz 240W DC55V UPS power module built-in
Total Power consumption	≤10W without PoE (full load) ≤250W with PoE (full load)
Battery backup	DC12V/24V/48V Lead-acid/Lithium (not included)
Voltage Alarm	Support

Switch Property

Switching capacity	20 G
Packet forwarding rate	14.88 Mpps
MAC address table	8 K
Buffer	4.1 M
Forwarding delay	<10 us
MDX/MIDX	Support
Jumbo Frame	Support 10K Bytes
Network Topology	Ring topology Star topology Bus topology Tree Topology Hybrid topology
Management	User Management System Log Upgrade Firmware

Layer 2/3 Switching

Configuration File Download	Support
Configuration File Upload	Support
SNMP	Support
WEB Managed	Support
CLI	Support
Telnet/SSH	Support
RMON	Support
Surveillance VLAN	Support
MAC VLAN	Support
Etherchannle/ 802 .3ad	Support
LACP	Support
Interface Speed	Support
Duplex Mode	Support
Flow Control	Support
Jumbo frame	Support
DHCP Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
Ethernet Ring Protection Switching	Support
LLDP	Support

LLDP 802.1 TLV	Support
MSTP / RSTP / STP	Support
STP BPDU Filter	Support
STP BPDU guard	Support
STP Port Fast	Support
IGMP Snooping	Support
MLD Snooping	Support
MVR	Support
IPV4	Support
IPV6	Support
ARP	Support
Loop back Interface	Support
DHCP Server	Support
DNS Server	Support



Environment

Operating temperature	-40℃~+75℃ The device is tested for 4 hours at temperatures in 85℃
Storage temperature	-40℃~+85℃
Relative humidity	5%~95% non-condensing
Thermal methods	Auto Fans Cooling
MTBF	100,000 hours

Cabinet Description

Product size	500(H)*380(W)*220(D)
Installation Method	Wall Mounting/Pole Mounting

EMC & Ingress Protection

IP Level	IP55
Surge protection of Power	IEC 61000-4-5 Level X (8KV/6KV)
Surge protection of Ethernet port	IEC 61000-4-5 Level X (8KV/6KV)
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)



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