

8GE+2GF Managed Industrial Smart Ethernet Box

Model: SBOX2802SFGB-I-153WH



The SBOX2802SFGB-I-153WH is an outdoor industrial PoE switch with 8× Gigabit PoE ports (up to 2 supporting 90W PoE++) and 2× Gigabit SFP slots. Featuring full L2 functions, IP-rated and lightning protection, it operates from -40°C to 75°C. A built-in 153Wh LiFePO4 UPS ensures continuous power in harsh outdoor environments.

- 8GE+2GF Managed Industrial PoE Switch Smart Ethernet Box
- Inbuilt LifePO4 Battery 48V3.2AH (153Wh)
- Input voltage: AC100-240V, 50/60Hz
- Surge Proof: (8KV/6KV); ESD:(8K/15K)
- IP protection level:IP55
- -40°C~75°C working temperature
- Include 240W power supply

Interfaces

Model	SBOX2802SFGB-I-153WH
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
UPS Battery	Built-in 48V3.2AH 153Wh LiFePO4 240W UPS battery provides stable and long-lasting backup power

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

Layer 2/3 Switching

User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/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°C~+75°C
	The device is tested for 4 hours at temperatures in 85°C
Storage temperature	-40°C~+85°C
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
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Maxsol Technologies Limited

Website

www.maxsol-tech.com

Phone

+86 19849790018

Email

sales@maxsol-tech.com

Address

Building 2, No. 3, Shangcun Industrial Zone, Tiantou Community, Shijing Subdistrict, Pingshan District, Shenzhen, China

