

SMART ETHERNET BOX

8GE+2GF Managed Outdoor Industrial PoE Switch Box

Model SBOX2802SFG-I



IP65 managed outdoor industrial PoE switch box with 8 Gigabit PoE ports, 2 Gigabit SFP slots, Layer 2 management, and a built-in 240W UPS power module.

Features

- 8GE+2GF Managed Outdoor Industrial PoE Switch Box
- Input voltage: AC100-240V, 50/60Hz
- IP65 ingress protection
- Built-in 240W DC55V UPS power module
- Layer 2 management with VLAN, QoS, multicast, LLDP, STP, ERPS, PoE management, and SNMP
- Surge Proof: (8KV/6KV) ; ESD:(8K/15K)
- -40°C ~ 75°C working temperature

Interfaces

Model	SBOX2802SFG-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 (Ports 1-2 support up to 90W PoE 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

Physical Characteristics

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; built-in 240W DC55V UPS power module
Total Power consumption	≤10W without PoE (full load); ≤250W with PoE (full load)
External battery backup	Supports DC12V/24V/48V lead-acid or lithium battery (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
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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	450 × 500 × 284 mm
Cooling fan	220V automatic cooling fan, 3000 RPM ±10%, 92 × 92 × 25 mm
Miniature circuit breaker	230/400VAC, 6-63A, 50Hz, -35°C to +75°C, IP40
Installation Method	Wall Mounting/Pole Mounting

EMC & Ingress Protection

IP Level	IP65
Surge protection of Power	IEC 61000-4-5, 8kV/6kV
Surge protection of Ethernet port	IEC 61000-4-5, 8kV/6kV
ESD	IEC 61000-4-2 Level 4, 8kV/15kV



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