

8GE+2GF Industrial Smart Ethernet Box

Model: SBOX1802SFG-I



The SBOX1802SFG-I Is An Outdoor Industrial PoE Switch With 8× Gigabit PoE Ports And 2× Gigabit SFP Slots, Operating From -40°C To 75°C. With IP-Rated And Lightning Protection, It Suits Rail Transit, Smart City, Transportation, And Outdoor Monitoring. Smart DIP Switches Enable Watchdog, VLAN, Port Isolation, And QoS.

- 8GE+2GF Industrial PoE Switch Smart Ethernet Box
- With the Dial code switch, Vlan/Watchdog/Port Isolation/PP+QoS
- 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	SBOX1802SFG-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
DIP Switch	AI Watchdog, Port isolation, VLAN, Port Priority +QOS

PoE

PoE Standard	IEEE802.3af/at
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	300 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
Total Power consumption (POE)	< 246 W
Voltage Alarm	Support

Layer 2 Switching

Switching capacity	26 G
Packet forwarding rate	19.34 Mpps
MAC address table	16 K
Buffer	2 M
Forwarding delay	<5 us
MDX/MIDX	Support
Jumbo Frame	Support 10K Bytes
WatchDog	Support
Port Isolation	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	220X230X387mm
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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