HIMAX TECHNOLOGY

Full Gigabit Outdoor Industrial PoE Switch Box

Model: SBOX1802SFG-I

Product Introduction

The SBOX1802SFG-I is a an Outdoor Industrial PoE Switch Box with 8*10/100/1000mbps PoE Port and 2*1000mbps SFP Slot, can work well at harsh environment from -40° to 75°. Featured with high protection and lightning protection level, it can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

Himax PoE switch with Smart DIP Switch to offer WatchDog, Vlan Isolation, Port Isolation as well as Port Priority+QoS!
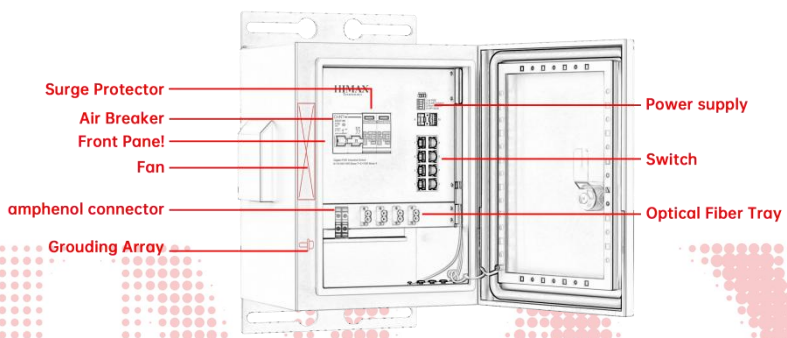
Features

◎ 8*10/100/1000M PoE ports+2*100/1000M SFP port Industrial PoE Switch, port 1-8 support IEEE 802.3af/at;

◎ PoE port1~port8 support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power is 30W/port;

◎ Support AI Watchdog, Port isolation, VLAN, Port Priority +QOS

◎ Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z standards;

◎ Pin Assignment 1,2,3,6

◎ Operation TEMP:-40~75°C

◎ Input voltage: AC100-240V, 50/60Hz
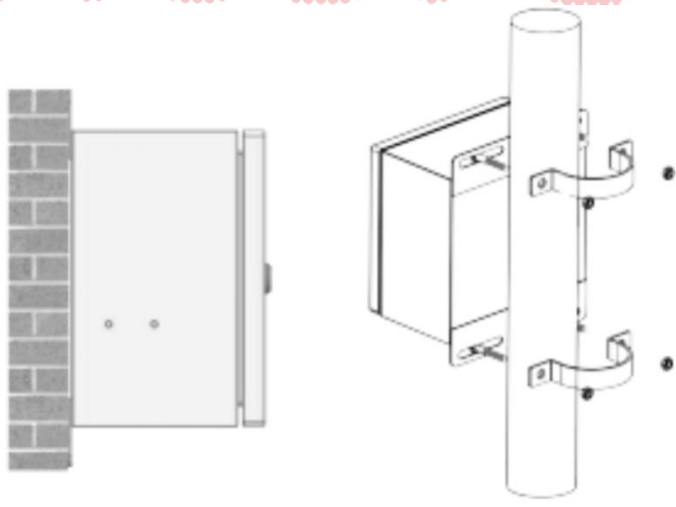
◎ IP protection level: IP55;

◎ 5 years warranty.

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Specification

Model	SBOX1802SFG-I
Interfaces	
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℃~+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

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	MTBF	100,000 hours
	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)
EMC & Ingress Protection	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)
Product size	220X230X387mm	
Installation Method	Wall Mounting/Pole Mounting	
Product Overview		
Installation		

Wall Mount   Pole Mounting

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CE FC RoHS

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