# 8GE+2GF Managed Industrial Smart Ethernet Box
## Model:  SBOX2802SFG-I



The SBOX2802SFG-I Is An Outdoor Industrial PoE Switch With 8× Gigabit PoE Ports And 2× Gigabit SFP Slots, Operating From -40ºC To 75ºC. With IP-Rated And Lightning Protection, It Supports Full L2 Functions Including VLAN, QoS, Multicast, Port Mirroring, LLDP, Security, Spanning Tree, ERPS Ring, PoE And SNMP Management 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℃～75℃ working temperature

- Include 300W power supply

## Interfaces

| | |
|---|---|
| Model | SBOX2802SFG-I |
| Interface | 8*10/100/1000Base-T PoE ports (Data/Power)<br>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 |
| 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,<br>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 |

## 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<br>Star topology<br>Bus topology<br>Tree Topology<br>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℃~+75℃<br>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 | 220X230X387mm |
| Installation Method | Wall Mounting/Pole Mounting |

## EMC & Ingress Protection

| | |
|---|---|
| IP Level | IP55 |

# MAXSOL.

## 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