

# OSBL2R-02S08GP-Z

IP55 Outdoor Box, with Managed Industrial Switch

2x1000 Base-X, 8x10/100/1000 Base-T PoE



## Overview

OSBL2R-02S08GP-Z Outdoor PoE Switch Box embedded with 2x1000 Base-X, 8x10/100/1000Base-T Managed Industrial PoE Switch, it is miniature size with IP55 high protection level. The box provides excellent industrial quality with high/low temperature resistance and lightning protection, which enhances the reliability and safety of networks.

It can meet the deployment requirements of rail transit, safe city, intelligent transportation, video surveillance and other applications.

## Features

- Integrated Managed Industrial PoE Switch, 2x1000 Base-X, 8x10/100/1000Base-T
- Shell: IP55 Waterproof Case
- Cooling: Auto Fans Cooling

- Working Temp: -40°C~+75°C
- Box Internal Power: 300w (for PoE Switch)
- Optical Fiber Tray
- Surge Protector
- Air Breaker

## Specifications

Cabinet	
Material	High-quality galvanized sheet, thickness 1.2mm Box mounting ears thickness 1.5mm
Weight	Net weight: 9.2KG, Gross weight: 10KG
Lock	Triangle lock
Door	The door has built-in waterproof rubber strips and built-in reinforcing ribs
Bottom Part	The diameter of the cable entry hole at the bottom of the box is 50mm, and there is air inlet hole at bottom of the box (Insert-proof net welded inside)
Fan	AC 220V with temperature control, 3000±10% RFM, air volume 90CFM, 92*92*25mm, line length 300mm
Optical Fiber	4-port SC fiber flange, with 8-core fiber box
Air Breaker	It has short-circuit protection, overload protection and isolation functions and has thermal-magnetic tripping characteristics C-shaped curve(5In-10In)
Installation	Pole / Wall installation
Switch	
Fixed Port	2x1000 Base-X, 8x10/100/1000 Base-T
Management Port	1xRJ45 console port
LED Indicators	PWR, Link/ACT LED
Power Interface	AC Input
Cable Type & Transmission Distance	
Twisted-Pair	0-100m(CAT5e,CAT6)

Single-Mode Optical Fiber	20/40/60/80/100KM
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Multimode Optical Fiber	550m
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### Network Topology

Ring Topology	Support
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Star Topology	Support
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Bus Topology	Support
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Tree Topology	Support
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Hybrid Topology	Support
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### Electrical Specifications

Input Voltage	AC100-240V, 50/60Hz
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Total Power Consumption	< 246w (with PoE)
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Voltage Alarm	Support
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### PoE Support

PoE Ports	1-8 Ports
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Pin Assignment	1, 2+, 3, 6-
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PoE Management	Support
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### Layer 2 Switching

Switching Capacity	20Gbps
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Packet Forwarding Rate	14.88Mpps
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MAC Address Table	8K
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Buffer	4.1M
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Forwarding Delay	<10us
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MDI/MDIX	Support
VLAN	256
GVRP	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
EtherChannel/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
EEE	Support
ERPS (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
DHCP	Support
Device Scanning	Support
<b>Layer 3 Function</b>	
IPv4	Support
IPv6	Support
Static Routes IPv4	Support 32
Static Routes IPv6	Support 32
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support
<b>Convergence</b>	
ACL	Support MAC standard/extended ACL Support IPv4 standard/extended ACL Support IPv6 standard/extended ACL
QoS	Support QoS remarking Support port trust Support port rate limiting Support egress queue rate limiting Support SP and WRR scheduling algorithms Support COS mapping, DSCP mapping, and IP priority mapping

**Management**

User Management Support

System Log Support

Upgrade Firmware Support

Configuration File  
Download/Upload Support SNMP V1/V2/V3

SNMP Support

WEB Support

CLI Support

Telnet/SSH Support

RMON Support

**Security**Management Channel  
Configuration Support

AAA Authentication Support

802.1X Authentication Support

MAC-Based Authentication Support

Web-Based Authentication Support

DoS (Denial of Service) Attack  
Prevention Support

Dynamic ARP Inspection Support

DHCP Snooping Support

IP Source Guard Support

Port Security Support

Protected Ports Support

Storm Control	Support
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#### Equipment Diagnosis

RAM	Support
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Flash	Support
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Port Mirroring	Support 1:1 or M:1
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Ping	Support
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Trace Route	Support
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Port Testing	Support
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Optical Module DDM Information	Support
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UDLD Protocol	Support
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#### Mechanical Dimensions

Product Size (D x W x H)	245x240x340mm
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Installation Method	Wall / Pole Mounting
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#### EMC & Ingress Protection

IP Level	IP55
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Surge Protection of Power	IEC 61000-4-5 Level X (8KV/6KV)
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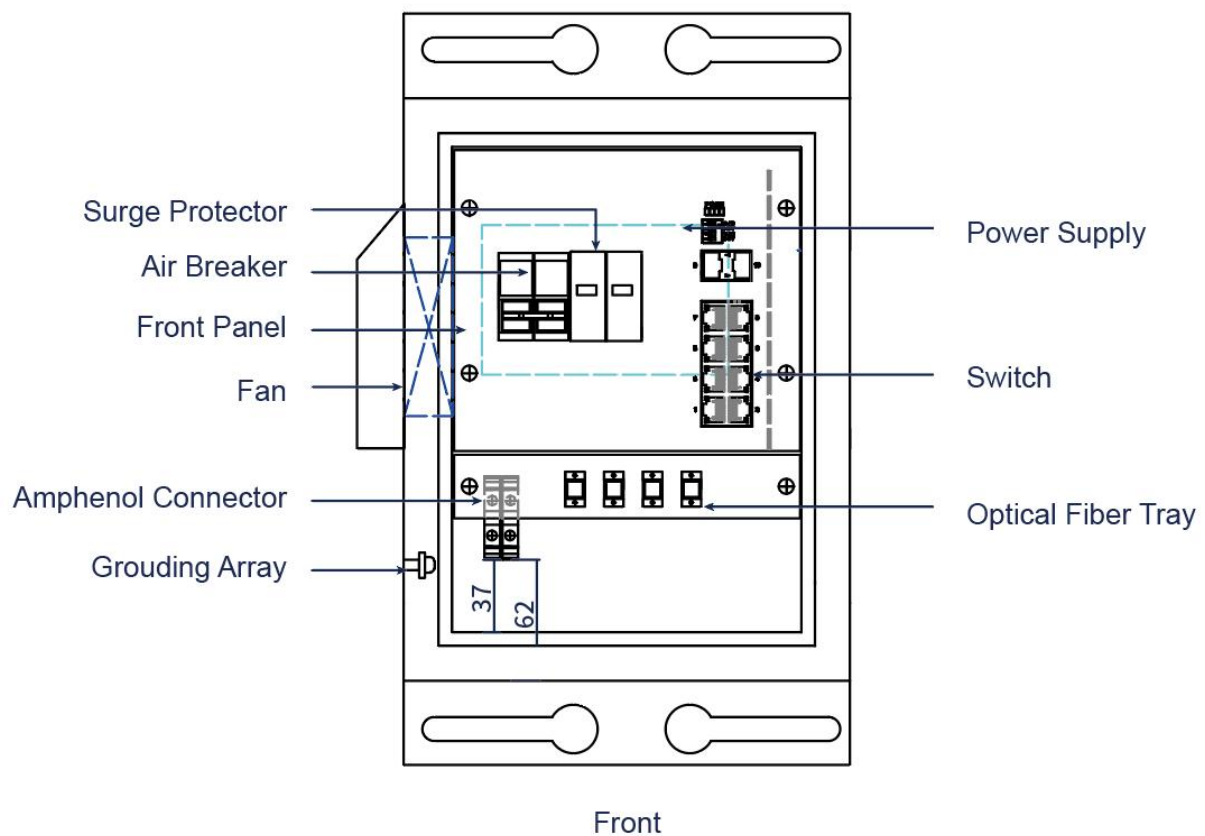
Surge Protection of ETH Port	IEC 61000-4-5 Level X (8KV/6KV)
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RS	IEC 61000-4-3 Level 3 (10V/m)
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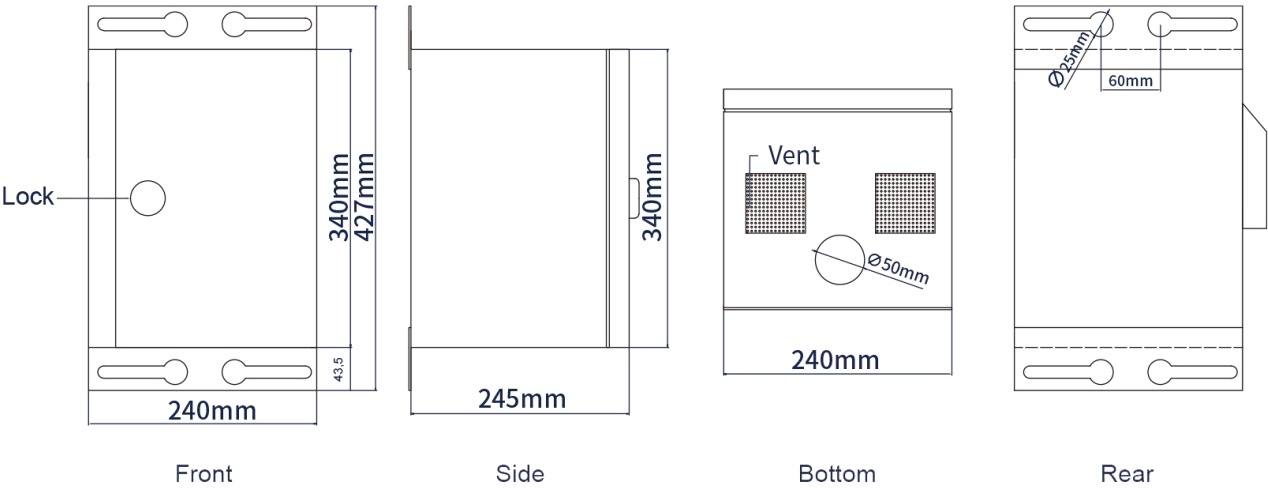
EFI	IEC 61000-4-4 Level 3 (1V/2V)
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CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level 4 (30A/m)
DIP	IEC 61000-4-11 Level 3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
<b>Power Supply</b>	
Power Supply	DC52V, 5.77A/300W
<b>Certification</b>	
Certificates	CE, FCC, RoHS

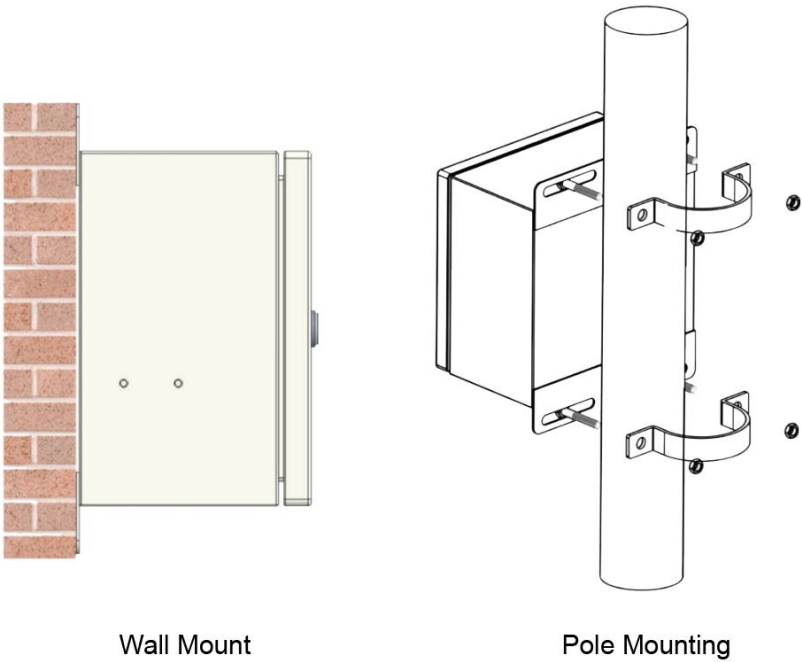
## Structure







Installation



Ordering Information

PART NO	DESCRIPTION
OSBL2R-02S08GP-Z	IP55 Outdoor Box, with managed PoE switch, 2x1000 Base-X, 8x10/100/1000 Base-T



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

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