

# OSBL3R-04X08GP-Z

IP55 Outdoor Box, with Managed Industrial Switch

4x10G Base-X, 8x10/100/1000 Base-T PoE



## Overview

OSBL3R-04X08GP-Z Outdoor PoE Switch Box embedded with managed industrial switch, 4x10G Base-X, 8x10/100/1000 Base-T, 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, 4x10G 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: 9.9KG, Gross weight: 10.8KG
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, $3000 \pm 10\%$ 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	4x10G Base-X, 8x10/100/1000 Base-T
Management Port	1xRJ45 console port
LED Indicators	PWR, SYS, 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
Multimode Optical Fiber	550m
Network Topology	

Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
<b>Electrical Specifications</b>	
Input Voltage	AC100-240V, 50/60Hz
Total Power Consumption	< 250w (with PoE)
Voltage Alarm	Support
<b>PoE Support</b>	
PoE Ports	1-8 Ports
Pin Assignment	1, 2, 3, 6
PoE Management	Support
<b>Layer 2 Switching</b>	
Switching Capacity	128G
Packet Forwarding Rate	95.23Mpps
MAC Address Table	16K
Buffer	12M
Forwarding Delay	<10us
MDI/MDIX	Support
VLAN	4K
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
Dynamic Routes IPv4	OSPF、RIP
Static Routes IPv6	Support
ARP	Support
Loopback Interface	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
---------------	---------

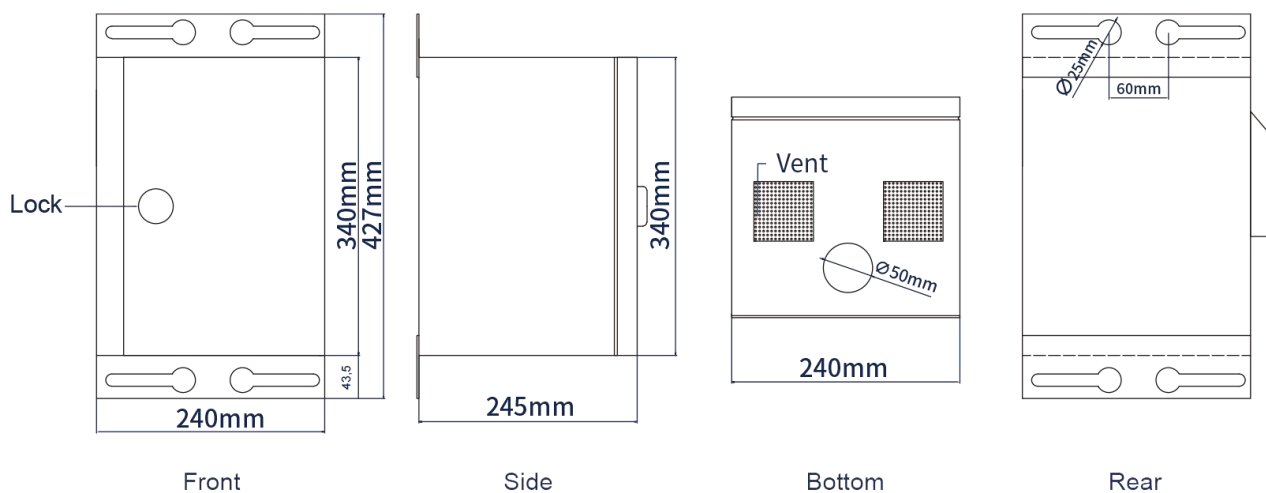
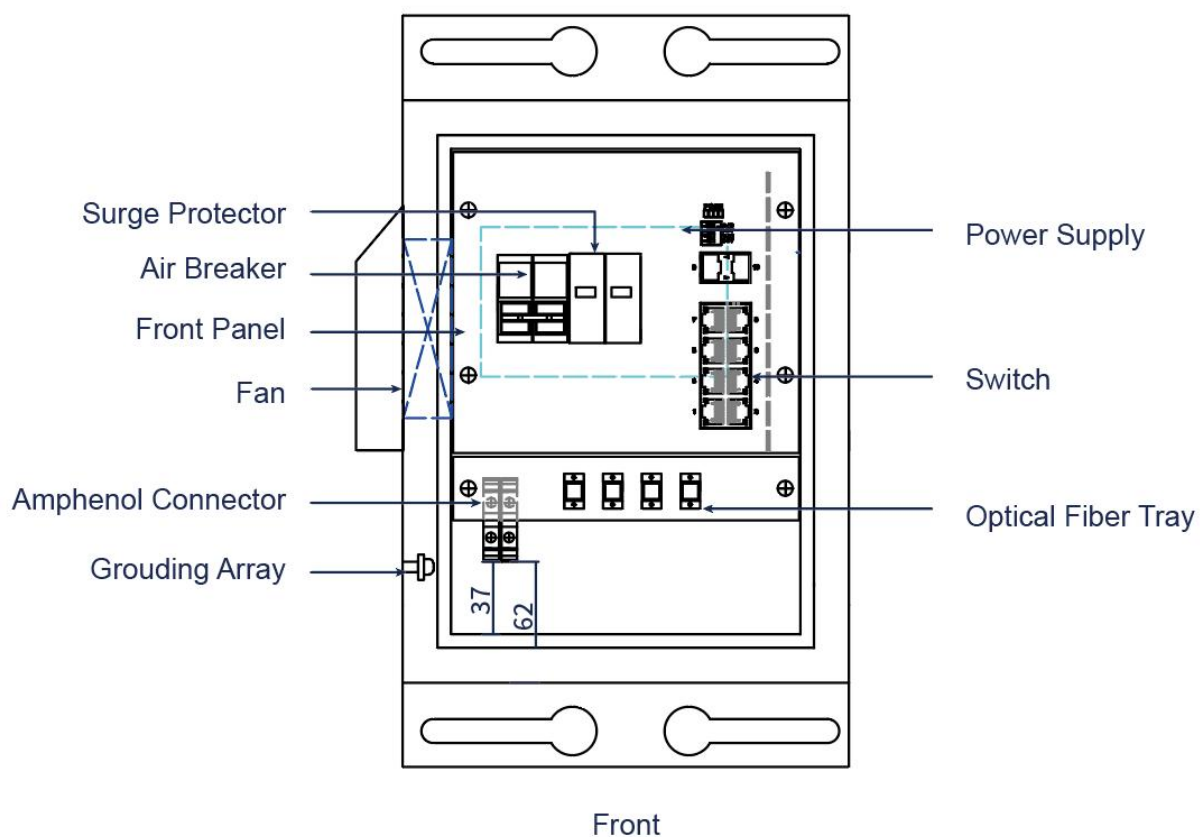
### Equipment Diagnosis

RAM	Support
-----	---------

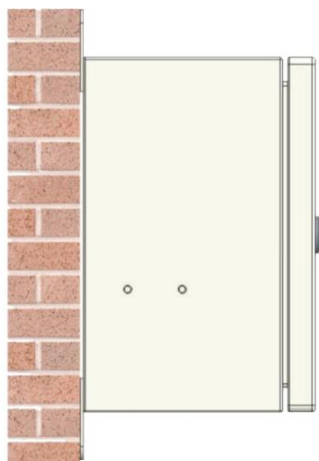
Flash	Support
-------	---------

Port Mirroring	Support 1:1 or M:1
Ping	Support
Trace Route	Support
Port Testing	Support
Optical Module DDM Information	Support
UDLD Protocol	Support
<b>Mechanical Dimensions</b>	
Product Size (D x W x H)	245x240x340mm
Installation Method	Wall / Pole Mounting
<b>EMC &amp; Ingress Protection</b>	
IP Level	IP55
Surge Protection of Power	IEC 61000-4-5 Level X (8KV/6KV)
Surge Protection of ETH 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)
PFFMF	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

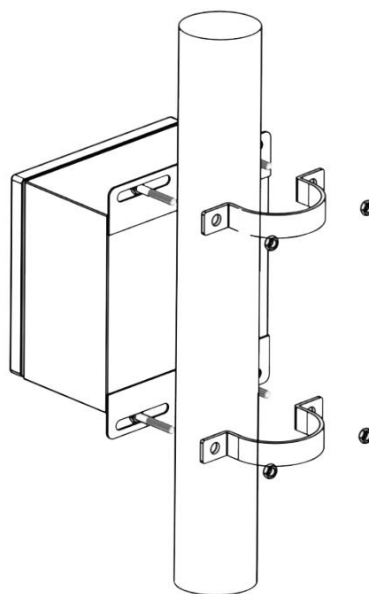
## Structure



## Installation



Wall Mount



Pole Mounting

## Ordering Information

PART NO	DESCRIPTION
OSBL3R-04X08GP-Z	IP55 Outdoor Box, with managed PoE switch, 4x10G Base-X, 8x10/100/1000 Base-T



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

For more details, please email to [info@lanaotek.com](mailto:info@lanaotek.com). Copyright©2023 lanaotek.com All Rights Reserved