WESTERN SECURITY
N E T W O R K I N G

WSN-PH0802-300BX

IP55 Outdoor Box, with 2x1000 Base-X, 8x10/100/1000 Base-T PoE Switch

Overview

WSN-PH0802-300BX is a compact outdoor PoE switch box, embedded with 2x 1000Base-X and 8x 10/100/1000Base-T Industrial PoE ports. With an IP55-rated enclosure, it offers superior protection against harsh environmental conditions, including extreme temperatures and lightning strikes, ensuring high reliability and network safety.

This rugged design makes it ideal for demanding applications such as rail transit, safe city projects, intelligent transportation systems, and video surveillance.

Features

- Integrated Industrial PoE Switch, 2x1000Base-X, 8x10/100/1000Base-T
- Shell: IP55 Waterproof Case
- Cooling: Auto Fans Cooling
- Working Temp: -40℃~+75℃
- Box Internal Power: 300w (for PoE Switch)
- Optical Fiber Tray
- Surge Protector
- Air Breaker

Specifications

Box Description

Box Dimension	245X240X340mm
Material	1.2mm thick galvanized sheet
Weight	N.W.: 7.25KG; G.W.: 8.25KG
Door Lock	Triangle lock
Box door	Equip with built-in waterproof tape
Base	Cable inlet diameter: 50mm (with insect-proof nets)
Fan	AC85~230V input; Temperature control automatic start/stop (auto starts at 40°C, auto stop at 45°C)
Optical Fiber Tray	4 SC fiber connector; 8-core fiber optical tray
Air Breaker	Circuit breaker protection, overload protection, isolation function and thermal magnetic tripping characteristics C- type curve (5''~10'')
Installation	Pole/Wall mount
Power Supply	Input voltage: AC100 ~ 240V; Output voltage: DC52V 5.77A
Amphenol Connector	Conductor cross section 6mm2; Insulation material: PA66
Grounding Array	5 arrays; 100x14x3mm (L*W*D)

Switch

Fixed Port	2x1000Base-X, 8x10/100/1000Base-T
LED Indicators	PWR, OPT, NMC, ALM
Power Interface	AC Input
Switching Capacity	26G
Packet Forwarding Rate	19.34Mbps
Mac Address Table	16K

Buffer	2M
Forwarding Delay	<5us
MDX/MIDX	Support
Jumbo Frame	Support 10K bytes
Watchdog	Support
Port Isolation	Support
DIP Switch	
1	AI PoE
2	Extension 250m
3	Port Isolation
4	VIP Power Supply/ QoS
PoE	
PoE Port	1-8 Ports
PoE Power Pin	1, 2+; 3, 6-
PoE Protocol	IEEE802.3af & at (15.4W/30W)
Protection	
IP Level	IP55
Surge Protection for Ethernet Port	IEC 61000-4-5 Level X (6KV/4KV) (8/20us)
Surge Protection for Power	IEC 61000-4-5 Level 4(4KV/4KV) (10/700us)
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)
AC220V SPD (Optional)	
Rated Operating Voltage	AC220V
Max. Operating Voltage	AC420V
Max. Discharge Current	40KA
Limiting Voltage	≤1.8KV
AC110V SPD (Optional)	

Rated Operating Voltage	AC110V
Max. Operating Voltage	AC320V
Max. Discharge Current	40KA
Limiting Voltage	≤1.5KV
Environment	
Working Temperature	-40℃ ~ +75℃
Storage Temperature	-40℃ ~ +85℃
Relative Humidity	5%~95% (non-condensing)
Cooling	Fan
MTBF	100,000hours
Certificate	
Certification	CE, FCC, RoHS

Structure

Front

Front   Side   Bottom   Rear
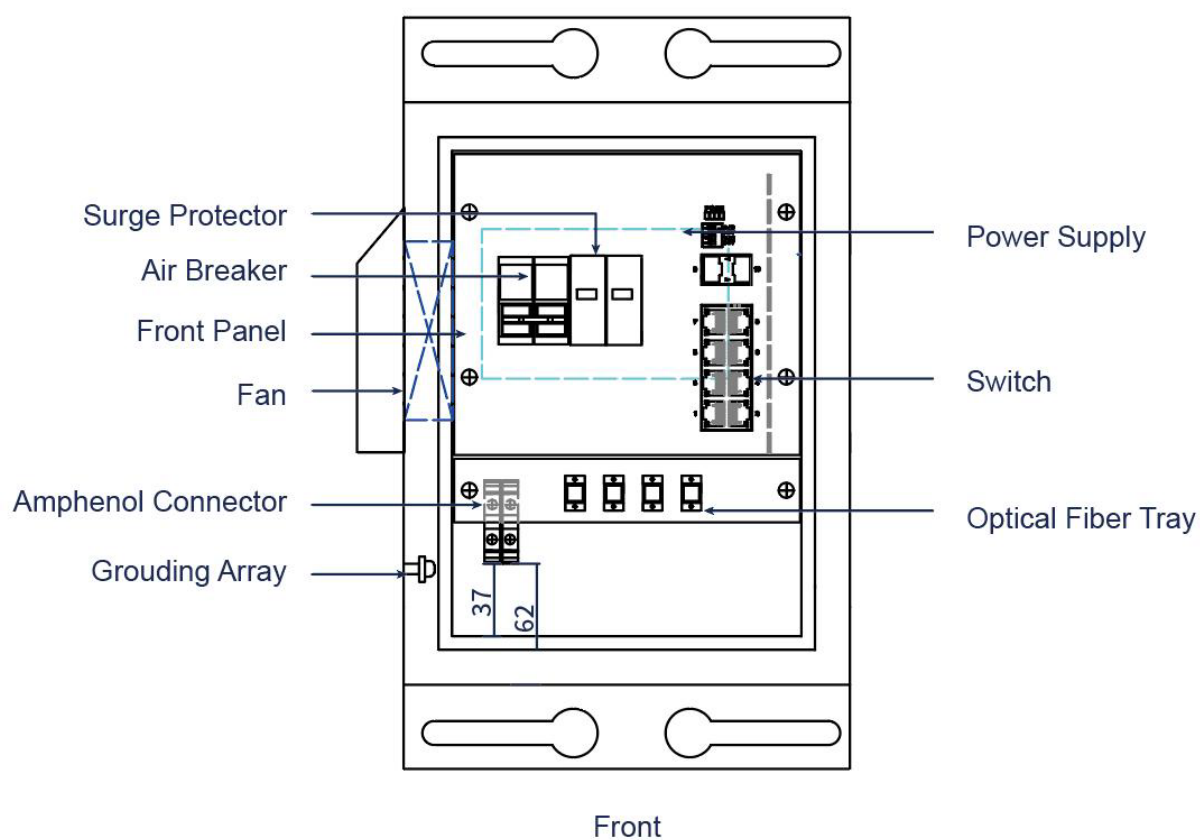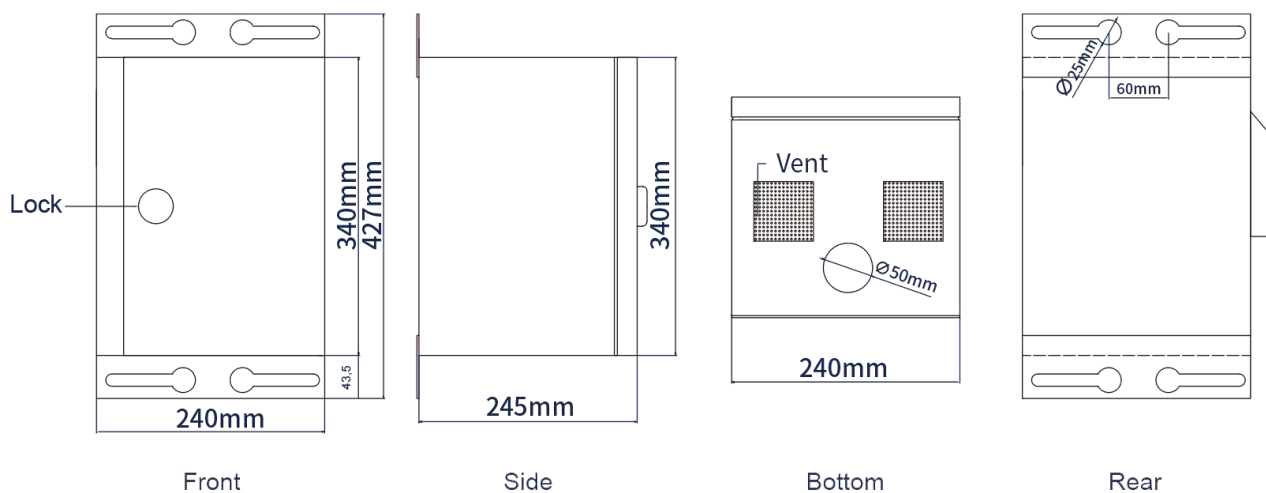
Installation
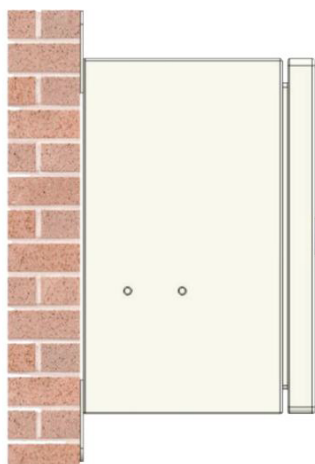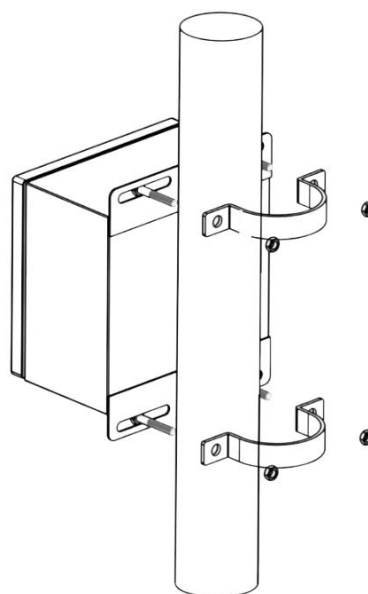
Wall Mount   Pole Mounting

Ordering Information

PART NO	DESCRIPTION
WSN-PH0802-300BX	IP55 Outdoor Box, with 2x1000Base-X, 8x10/100/1000Base-T PoE Switch