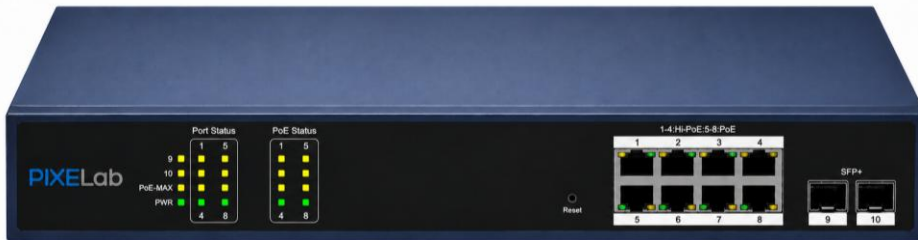


PXL-NW-POE-SWX8

Enterprise 10G Smart PoE Switch



| Product Overview

This managed PoE switch is designed to provide high-performance network connectivity and power delivery for surveillance, security, and enterprise network deployments. Featuring eight Gigabit PoE ports and two 10G SFP+ uplink ports, it delivers reliable data transmission, high-speed backbone connectivity, and centralized power management for IP cameras, wireless access points, and other network devices.

Built for demanding network environments, the switch combines advanced Layer 2 switching, intelligent PoE management, network security, and remote monitoring capabilities in a compact rack-mountable design. With long-range PoE, automatic device recovery, VLAN support, and cloud-based management integration, it simplifies deployment while ensuring stable and secure network operation.

| Key Features

- ✓ 8 × Gigabit PoE + 2 × 10G SFP+
- ✓ 130 W PoE Power Budget
- ✓ 90 W Hi-PoE Support
- ✓ Long-Range PoE Up To 300 m
- ✓ Automatic PoE Device Recovery
- ✓ Advanced VLAN & QoS Management
- ✓ Cloud-Based Monitoring & Management
- ✓ 60 Gbps Switching Capacity

| TECHNICAL SPECIFICATION

GENERAL

Housing Material	Metal
Installation Type	Wall Mount, Rack Mount
Dimensions	335 × 44.5 × 175.8 mm
Net Weight	1.69 kg
Gross Weight	2.04 kg
Operating Temperature	0°C to +45°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to 95% RH (Non-Condensing)
Power Supply	100–240 VAC, 50/60 Hz
Maximum Power Consumption	150 W
Idle Power Consumption	10 W
Surge Protection	6 kV

NETWORK PARAMETERS

Ports	8 × Gigabit PoE Ports, 2 × 10G SFP+ Fiber Ports
MAC Address Table	16K
Switching Capacity	60 Gbps
Packet Forwarding Rate	44.64 Mpps
Packet Buffer	8.4 Mbits

POE FEATURES

PoE Standards	IEEE 802.3af / at / bt
Hi-PoE Ports	Ports 1–4
PoE Ports	Ports 5–8
Maximum Port Power	90 W (Ports 1–4), 30 W (Ports 5–8)
PoE Power Budget	130 W
PoE Power Saving	Scheduled PoE Power Control

SWITCHING FEATURES

Long Range PoE	Up to 300 m
Port Isolation	Supported
PoE Watchdog	Automatic Camera Recovery
Link Aggregation	Static Aggregation, 8 Groups
QoS	Port Priority, SP, WRR, DSCP
Loop Prevention	STP, RSTP, ERPS
VLAN	802.1Q, VLAN ID 1–4094, Up to 1024 VLANs
Port Rate Limiting	Supported
Storm Control	Broadcast, Multicast & Unknown Unicast Control

* Technical specifications and images are subject to changes

| TECHNICAL SPECIFICATION

SECURITY FEATURES

DHCP Snooping	Supported
ACL	Up to 32 ACL Entries, 64 Rules
IPSG	Port, MAC & IP Binding
Security Entries	Up to 64 Entries

MANAGEMENT & MONITORING

ISM-Partner Pro	Topology, PoE Monitoring, Alarm Status, Remote Upgrade, Long Range Mode
Web Management	Supported
DHCP Client	Supported
Super IP	Supported
ISM Professional	Supported
Cable Detection	Supported
LLDP	IEEE 802.1ab
SNMP	v1/v2c
Port Mirroring	Supported
DDM Monitoring	Optical Module Temperature, Voltage, Current, Tx/Rx Optical Power

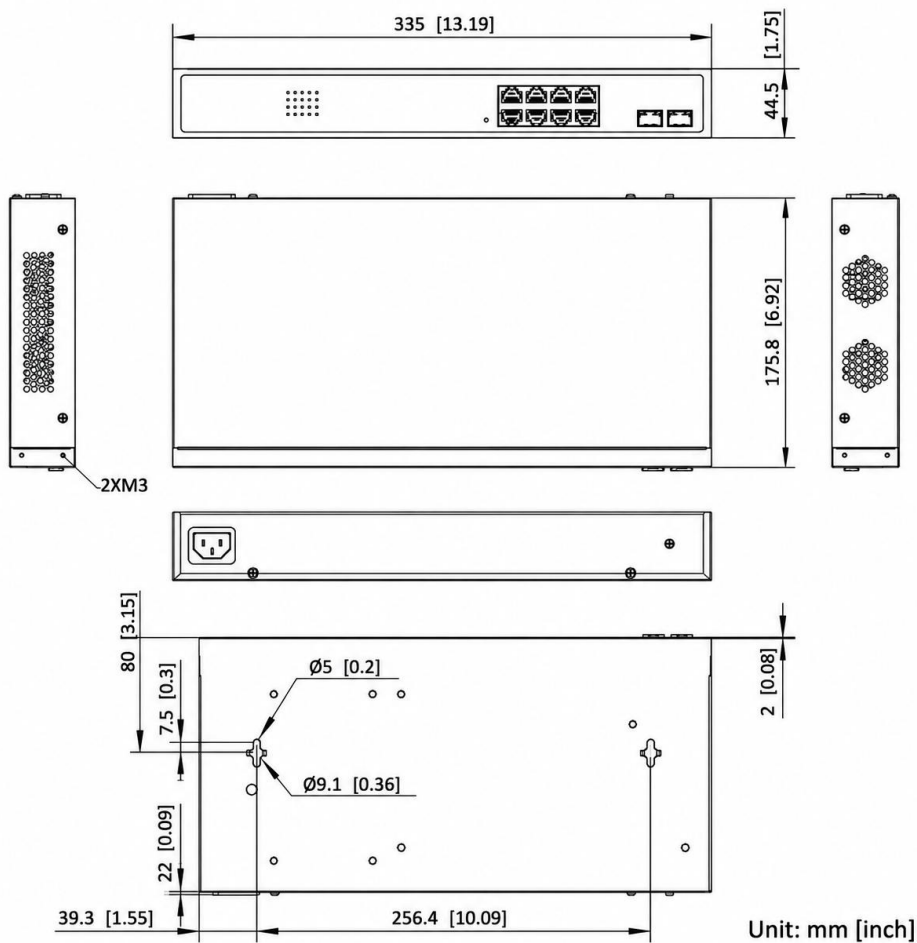
COMPLIANCE

EMC	CE-EMC, ICES-003, RCM
Safety	CB IEC 62368-1, CE-LVD EN 62368-1
Environmental	RoHS, WEEE, REACH

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| TECHNICAL SPECIFICATION

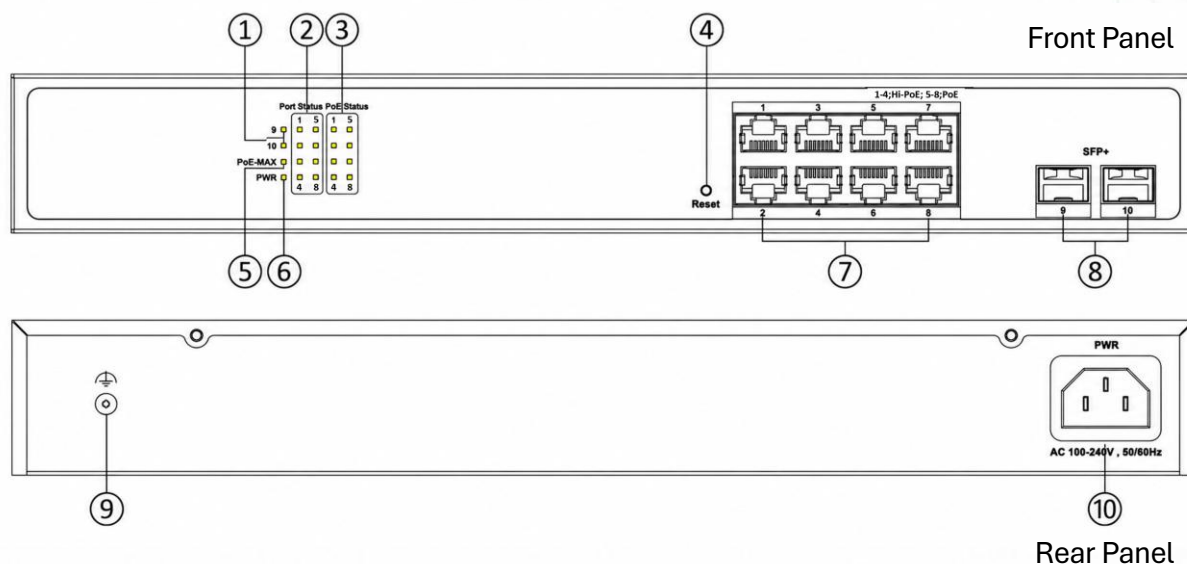
MECHANICAL DIMENSION



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| TECHNICAL SPECIFICATION

PHYSICAL INTERFACE



No.	Indicator/Port	Description
①	10 Gigabit SFP+ Fiber Optical Port Indicator (Ports 9&10)	● Solid on: The 10 gigabit SFP+ fiber optical port is connected. ● Flashing: The 10 gigabit SFP+ fiber optical port is transmitting data. ● Unit: The 10 gigabit SFP+ fiber optical port is disconnected or connection is abnormal.
②	Port Status Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unit: The port is disconnected or connection is abnormal.
③	PoE Status Indicator	● Solid on: The switch provides power supply to a powered device (PD) normally. ● Unit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
④	Reset Button	Press and hold the reset button for more than 5 seconds to restore all the configurations of the switch to default settings.
⑤	PoE-MAX Indicator	● Solid on: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unit: The switch supplies power to a PD normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
⑥	PWR Indicator	● Solid on: The switch is powered on normally. ● Unit: No power supply is connected or power supply is abnormal.
⑦	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable. Note: Ports 1 to 4 of PXL-NW-POE-SWX8 are Hi-PoE RJ45 ports, which can be connected to high-power devices.
⑧	10 Gigabit SFP+ Fiber Optical Port (Ports 9&10)	Used for connection to another device via an optical fiber when plugged into with an SFP+ optical module.
⑨	Grounding Terminal	Used for connection to a grounding cable to protect the switch from lightning.
⑩	Power Supply	Use the attached power cord to connect the switch to a power socket.

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