

POE-SW305G25F

4 Ports Full 2.5G PoE Switch with 1x 2.5GE and 1x 10G SFP Uplink, Built-in 100W Power



Outstanding Features

- **4 Ports Full 2.5G PoE Switch:** Provides 4*10M/100M/1000M/2.5Gbps PoE+ ports, 1*2.5GE RJ45 and 1*10G SFP+ Uplink port. Total PoE budget is 100W. Compatible with Mode A POE outputs only.(SFP module is purchased separately, SFP-10G-RJ45)
- **45W High PoE+ Output:** Port 1-2 support 45W PoE output. Optimized for big PTZ cameras, such as multiple-lens PTZ cameras, high speed dome cameras, cameras with big white LED light.
- **Top Safety for all PoE and non-PoE Devices:** with standard PoE design, it follows 4 steps of PoE power up process (PD Detection -> PoE Power Classification negotiation -> Start up -> Power ON), it supplies proper power to 802.af / at / bt devices to prevent over loading, and do not provide power to non-PoE devices to avoid damaging.
- **One-Key VLAN & PoE Extend Mode:** VLAN: isolates ports 1-4 to improve security and reduce broadcast traffic, with ports 5-6 as uplink. PoE Extend Mode: increases PoE distance up to 820ft (250m) at 10Mbps for long-range IP camera deployments, reducing cabling cost and removing the need for extra extenders.
- **Plug and Play:** No configuration is required. It will automatically work at correct mode when connecting to PoE/PoE+/PoE++ devices.
- **Solid Design:** Full metal enclosure, 6.61" x 3.7" x 1.26" (168mm x 94mm x 32mm),Support Desktop or wall mounted installation, 6kV surge protection, Ideal for home, commercial, enterprise, residential, hotel, office, and campus surveillance networks.

Specification

Model	POE-SW305G25F
Interface	5*10M/100M/1000M/2.5Gbps RJ45 Port 1*1G/2.5G/10Gbps SFP+ slot
Standard	IEEE802.3, IEEE802.3ae, IEEE802.1ab, IEEE802.3x, IEEE802.3u, IEEE802.3ab, IEEE802.3z IEEE802.3af, IEEE802.3at
Network Media(Cable)	10BASE-TX:UTP category 3, 4, 5 cable (≤100m) 100BASE-TX:UTP category 5, 5e cable (≤100m) 1000BASE-X:UTP category 5e, 6 cable (≤100m) 2.5GBASE-X:UTP category 6, 6A cable (≤100m) 10GBASE-X:UTP category 6A, 7 cable (≤100m) 1000BASE-X: MMF, SMF modules 10GBASE-X: MMF, SMF modules 10GBASE-SR: OM1/OM2/OM3 or above MMF (2m~300m) 10GBASE-LR: IEC's B1.1 and B1.3 SMF (2m~10000m)
LED Indicator	PWR, LNK/ACT, PoE
MAC Address Table	4K, Auto-learning, Auto-update
Jumbo Frame	12KBytes
Packet Buffer	8Mbit
Transfer Mode	Storage-and-Forward
Switching Capacity	45Gbps
Packet Forward Speed	33.48Mpps
Dimensions (L*W*H)	168*94*32mm (6.61*3.70*1.26 in)
Total Power Supply	110W
Input Voltage	AC: 100-240V, 50/60Hz
PoE Total Power	100W
PoE Port	Port 1-4
PoE Output	Port 1-2: 45W (Max) Port 3-4: 30W (Max)
PoE Power On RJ45	1/2(+), 3/6(-)
Operation Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operation Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

**Disclaimer: Technical specifications may subject to change without prior notice*

Specification

Electrostatic Standard	Contact ±6KV, Air ±8KV
Lightning Protection Grade	Differential mode ±2KV common mode ±6KV
MTBF	>50000 hours

LED Indicator

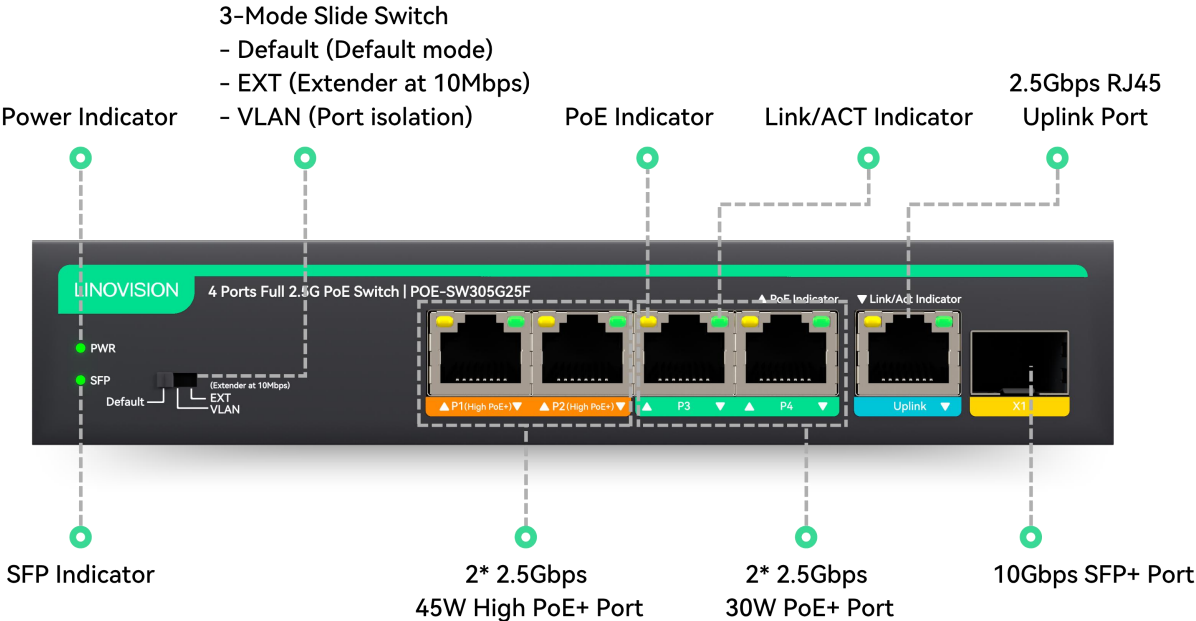
LED	Color	Function
PWR	Green	Off: No Power supply. Light: Indicates the Switch has power.
LNK/ACT	Green	Off: The data port has been disconnected. Light: The data port is connected.
PoE	Orange	Off: The port does not supply power to the opposing device. Light: The port is connected with the power supply equipment.

3-Mode Slide Switch

Mode	Description
Default	Standard switching mode. All ports can communicate with each other. Functions like a conventional 2.5G PoE switch.
VLAN	Port isolation mode. Ports 1–4 are isolated from each other while maintaining communication with Ports 5–6 (uplink ports). Connect Ports 5–6 to the central switching device.
EXT	Long-range transmission mode. The port speed is limited to 10 Mbps, enabling transmission distances of up to 250 m (820 ft). Ideal for IP surveillance deployments, reducing cabling costs and eliminating the need for additional network extenders in many applications.

Interface

Front View



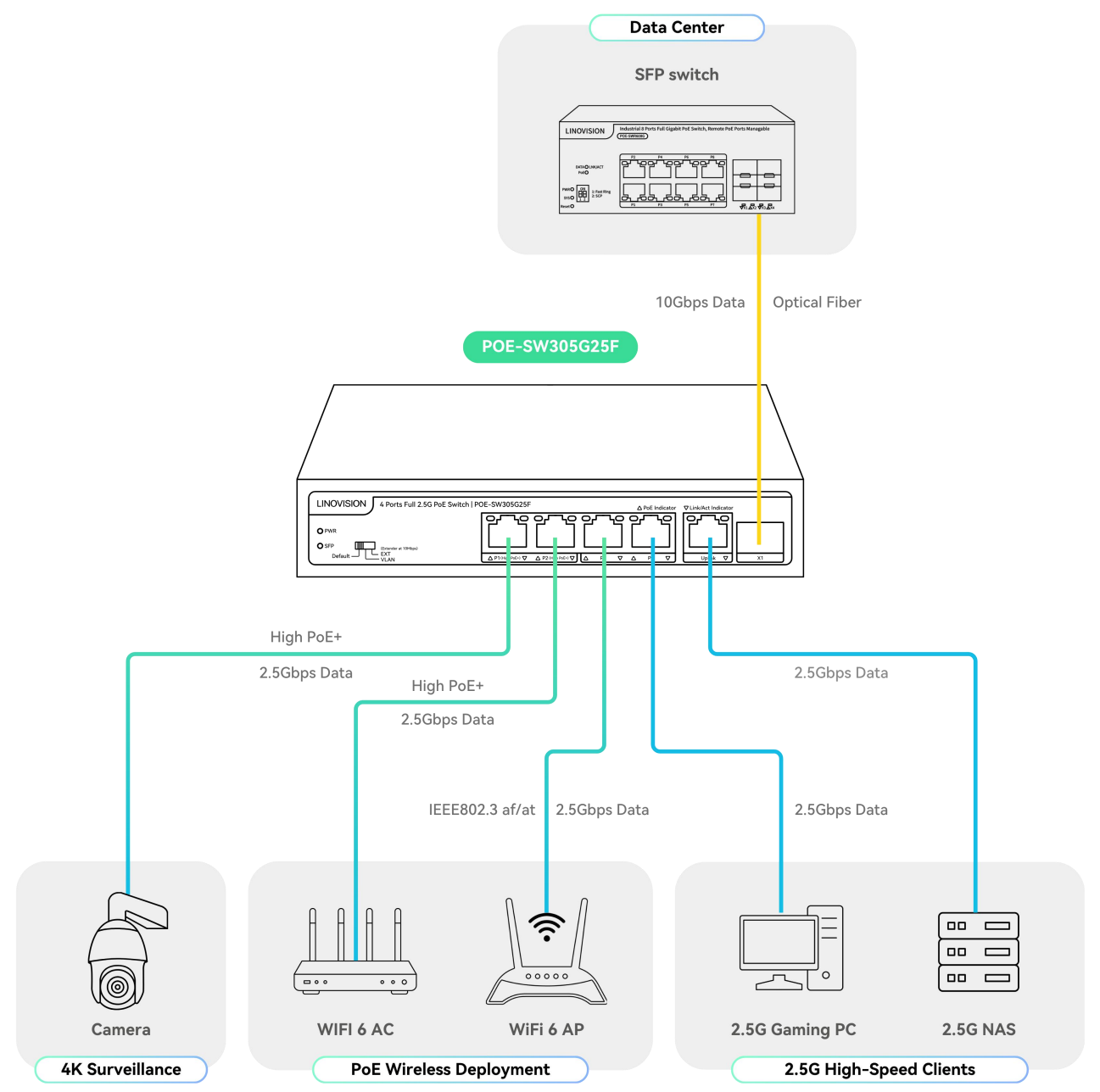
Total PoE Budget 100W

Rear View



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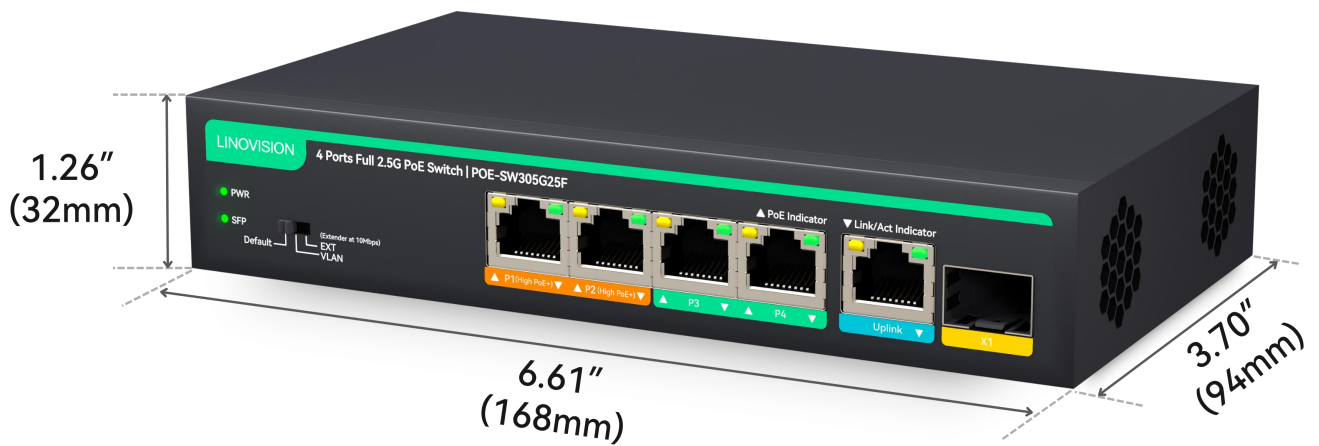
Connection Diagram



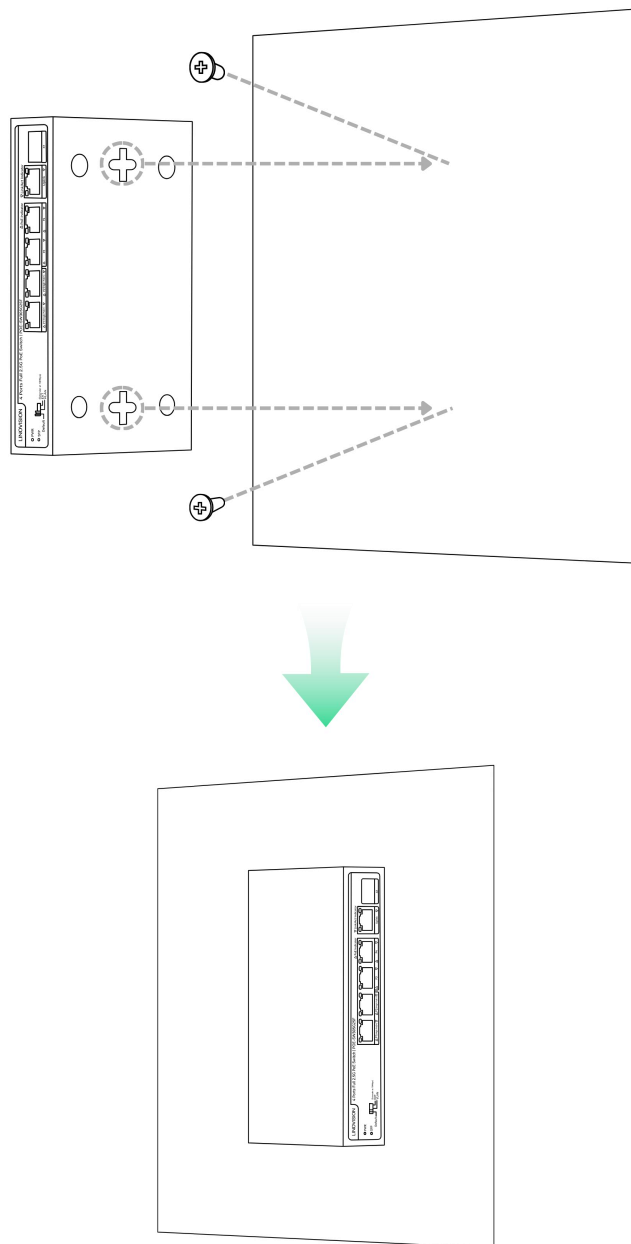
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Dimension



Weight: 544g (1.2 lb)



Wall-mounting Installation

Package



POE-SW305G25F



Power Adapter



User Manual