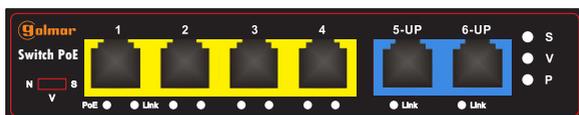




4-channel PoE Switch

SW-104M



USER MANUAL

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REV.0126 | ENGLISH

INDEX

1. Introduction	2
2. Safety Precautions.....	2
3. Features.....	2
4. Front Panel Description	3
4.1 Operating mode selector	3
4.2 LED Indicators	4
5. Specifications.....	4
6. Connection Diagram	5
7. Notes.....	6

1. INTRODUCTION

The SW-104M switch has 4 10/100Mbps PoE ports plus 2 10/100Mbps Uplink ports, which enable cascade connections. Complies with IEEE802.3af/at and is equipped with a 48W internal power supply, ideal for IP applications such as CCTV, IP Video Door Entry, etc...

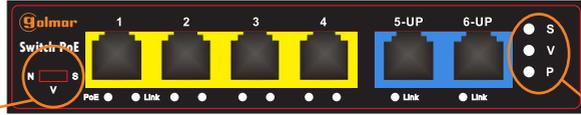
2. SAFETY PRECAUTIONS

- This equipment operates at 110-230 VAC. Use only in indoors and in dry environments.
- Disconnect the power before handling the switch or wiring.
- Do not open the equipment or attempt to repair it; only qualified personnel should do so.
- Avoid covering the device or placing it near sources of heat or moisture.
- Ensure proper grounding of the installation.
- If you notice a burning smell or abnormal operation, disconnect it and contact technical support.

3. FEATURES

- 4 10/100Mbps PoE ports + 2 x 10/100Mbps Uplink
- Complies with IEEE802.3af/at. Maximum power of 30W per PoE channel, with a maximum of 48W.
- Real-time AI that controls PoE and automatically restarts the corresponding faulty ports (watchdog).
- All PoE ports comply with the power priority mechanism to prevent overloads.
- Flow control: Full-duplex: IEEE 802.3x; Half-duplex
- Supports Auto MDI/MDIX, Store-and-forward switching, 1.6G bandwidth
- Supports wire speed switching and jumbo frame transmission for all ports.
- Plug and play self-adaptive, 3KV 8/20us lightning protection.
- Indicate PoE status via LEDs
- Automatic detection of IEEE802.3 compatibility before supplying power to the device.

4. FRONT PANEL DESCRIPTION



Operating mode selector

LED indicator

4.1 Operating mode selector

Selector	Mode	Description
N	Standard mode	Free communication between all ports, in this case the maximum distance would be 100m.
V	V-LAN Mode	Ports 1 to 4 are isolated from each other when "V" mode is selected; all upstream and downstream traffic is channeled through ports 5 and 6. This configuration is suitable for increasing the security of your system.
S	Long distance transmission mode	The maximum distance is increased to about 200m with full duplex transmission at 10Mbps for ports 1 to 4. With this function, cable quality plays a significant role.
N-S-N	Watchdog	The PoE port watchdog can be activated by quickly moving the selector from N to S and then back from S to N. To deactivate it, simply repeat the operation. With the watchdog activated, the P LED blinks; when deactivated, it remains steadily on.

4.2 LED indicators

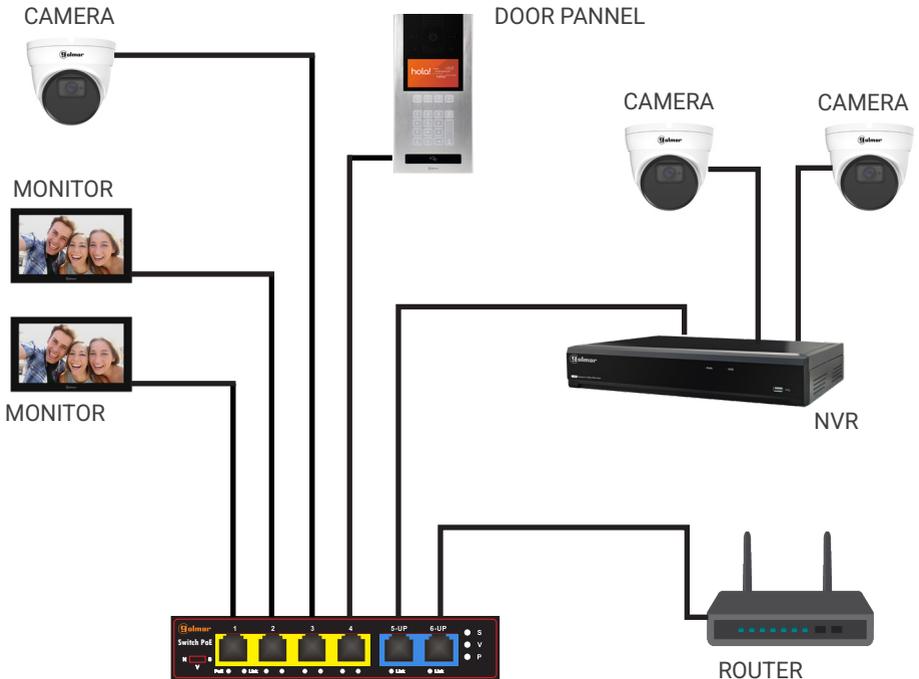
Indicator	Status	Description
Power (P)	Blinking	Watchdog on
	On	Watchdog off
	Off	No power
Long distance (S)	On	Long distance mode on
V-LAN (V)	On	V-LAN mode on
PoE indicator	On	Device powered normally
	Blinking	Overload or short circuit on the line
	Off	Device not powered or line cut
Network indicator	On	Device transmitting data

5. SPECIFICATIONS

Ports	4 10/100Mbps POE + 2 10/100Mbps Uplink
Power	100-240V AC, 50/60Hz, 1.0A Max.
Exit	48-57 V DC, max. 48 W (net output)
Data exchange	10/100 Mbps
Watchdog	Can be activated (disabled by default)
Bandwidth / MAC	1.6Gbps, 1K
Pinout	Power: pin 1,2 "+", pin 3,6 "-"; Data: pin 1,2,3,6
Environmental conditions	Operating temperature: -10~55°C Storage temperature: -40~75°C Operating humidity: 5%~90% RH, non-condensing Storage humidity: 5%~95% RH, non-condensing

Network protocols	Ethernet media access control protocol IEEE 802.3 Ethernet IEEE 802.3i 10BASE-T Fast Ethernet IEEE 802.3u 100BASE-TX Twisted pair or Power over Ethernet device IEEE 802.3af/at IEEE 802.3x Flow control IEEE802.1q VLAN Network bridge operation
Data rate	Ethernet 10Mbps half-duplex, 20Mbps full-duplex Fast Ethernet 100Mbps half-duplex, 200Mbps full-duplex
Size	140(L) x 90 (W) x 32 (H) mm
Weight	360 g (without power cable)

6. CONNECTION DIAGRAM





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