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Wildix Switches Quick Start Guide

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 *A quick guide to connection, installation and troubleshooting of WSG05POE-WSG08POE-WSG16POE-WSG24POE.*

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Package contents

- 1 x Switch
- 1 x Power cord (WSG08/16/24POE)
- Rubber feet, mounting ears and screws for rack installation (WSG08/16/24POE)

Installation

- All models can be installed on a flat surface; WSG08/16/24POE are rack-mountable; WSG05POE is wall-mountable
- Install in a cool and dry place (see the datasheet for acceptable t° and humidity ranges)
- Leave the space around the switch for ventilation
- Install the switch on a surface that can support its weight
- Do not place heavy objects on the switch
- The power cord length is less than 150cm

Turn on the switch

Before powering on the switch, make sure the voltage is correct. The power supply socket is situated on the back panel of the switch.

Plug the power supply into the switch: the power indicator on the front panel must turn on.

LED indicators and ports description

WSG05POE

- 5 x 10/100/1000Mbps Auto-negotiation Ethernet RJ45 ports (1 PoE IN port and 4 PoE OUT ports)

LED indicators are located on the RJ45 connector

LED	Description
Power	Power is supplied
Link/Act	A valid link is established

WSG08POE

- 8 x 10/100/1000Mbps Auto-negotiation Ethernet RJ45 ports with 8 PoE function ports

LED	Color	Status	Description
PWR	Green	ON	Power is supplied
		OFF	No power
Link	Orange (10 /100Mbps) Green (1000Mbps)	ON	A valid link is established
		Blinking	Data packets are received or transmitted
		OFF	No link is established
PoE	Orange	ON	A PoE PD (Powered Device) is connected to the port
		OFF	No PD is connected to the port
MAX 1 (1-4 Ports)	Yellow	ON	The power output has reached the max power budget (55W)
		Blinking	The power output has exceeded the max power budget (70W)
		OFF	The power of all the connected PoE ports is less than 55W
MAX 2 (5-8 Ports)	Yellow	ON	The power output has reached the max power budget (55W)

		Blinking	The power output to PDs has exceeded the max power budget (70W)
		OFF	The system is using less than 55W

WSG16POE

- 16 x 10/100/1000Mbps Auto-negotiation Ethernet RJ45 ports with 16 PoE function ports

LED	Color	Status	Description
Power	Red	ON	Power is supplied
		OFF	No power
Link / Act / Speed	Orange (10/100Mbps)	ON	A valid link is established
		Blinking	Data packets are received or transmitted
	Green (1000Mbps)	OFF	No link is established
PoE	Yellow	ON	A PoE PD (Powered Device) is connected to the port
		OFF	No PD is connected to the port

WSG24POE

- 10/100/1000Mbps RJ45 ports (1-24): connect devices with 10 / 100 / 1000Mbps bandwidth.
- SFP ports (SFP1, SFP2): install SFP module and connect devices with 1000Mbps bandwidth.
- Console port (Console): connect a serial port of PC / terminal for monitoring and configuring the Switch.
- Reset button (Reset): (device is connected to power supply) press and hold the button for about 5 sec.

See WSG24POE – Administrator Manual for more info on configuration of the web managed switch.

LED	Color	Status	Description
PWR	Green	ON	Power is supplied
		OFF	No power
Link / Act / Speed (1-24)	Orange (10 /100Mbps)	ON	A valid link is established
		OFF	No link is established
	Green (1000Mbps)	Blinking	Data packets are received or transmitted
Link / Act / Speed (SFP1,2)	Green	ON	A valid link is established
		OFF	No link is established
		Blinking	Data packets are received or transmitted

PoE (1-24)	Yellow	ON	A PoE PD (Powered Device) is connected to the port
		OFF	No PD is connected to the port
		Blinking	The PoE power circuit may be in short or the power current may be overloaded.

Connection of devices

Connect devices to the ports of the Switch using a network cable (check the datasheet for more information).

WSG05POE

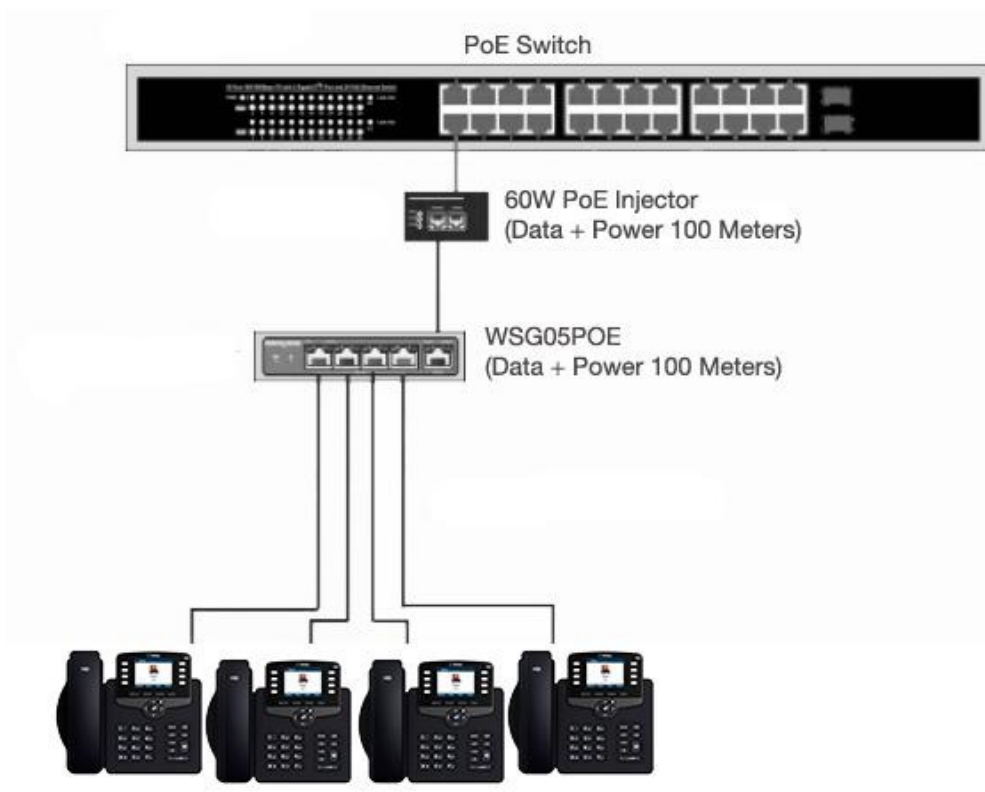
1 PoE IN into 4 PoE OUT 10/100/1000 Mbps half/full duplex ports.

PoE Input: Pin Assignment and Polarity: Both 1/2 (-), 3/6 (+) and 7/8 (-), 4/5 (+)

PoE Output: Pin Assignment and Polarity: 1/2 (-), 3/6 (+)

Output Power: up to 12W for 4 PSE or 25W for 2 PSE

Application example (60W PoE injector is optional)



Multiple PoE Extenders can be connected every 100 meters to obtain greater distances.

Examples for medium PoE devices (PoE Class 2 under 6W):

PoE Source	
PoE switch 802.3at, Output: 50V	60W mid span 802.3at, Output: 54V
Max Distance	
200m	300m

WSG08POE/WSG16POE

All the ports have PoE power supply function

WSG24POE

1-24 ports have power supply function (see the datasheet for the max power output)

Switch login (WSG24POE)

Check that the IP address of the PC is within the range of the default IP address of the switch (192.168.2.XXX)

- Default IP address: 192.168.2.1
- User name: admin
- Password: admin

Troubleshooting

If Link indicator does not light up after making a connection, make sure that:

- the network interface, network cable, or switch port is not damaged or defective
- the proper cable type is used and its length does not exceed specified limits (see the datasheet)
- cable is plugged into both the Switch and a PoE Powered Device

If the Power indicator does not turn on when the power cord is plugged in, make sure that the power outlet or the power cord is not damaged.

Make sure that you use standard RJ-45 cables. Cables that does not meet the standards of the sequence of data may slow down the data transmission speed or even block it.