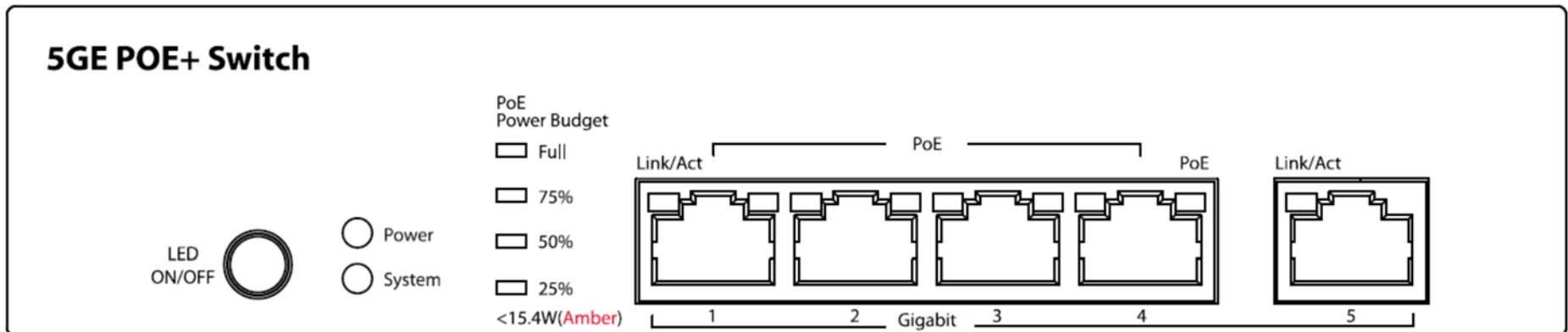


User Manual

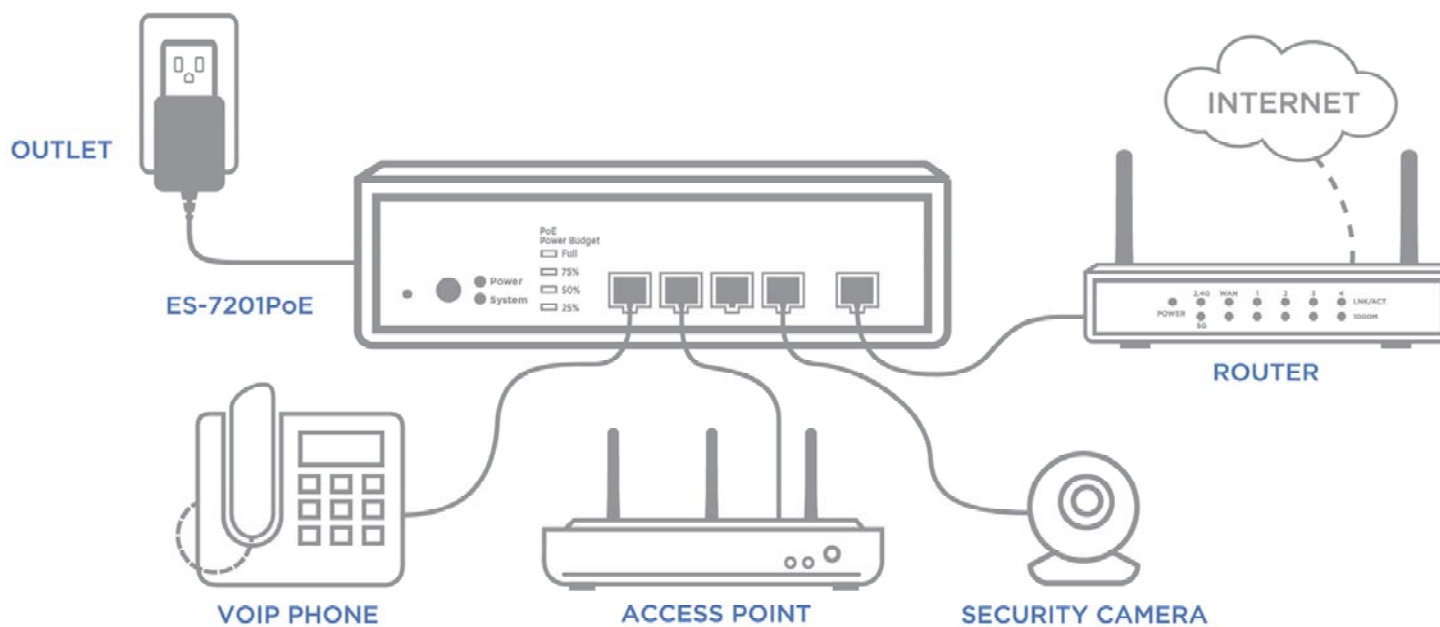
ES-7201PoE | 5-Port PoE+ Gigabit Ethernet Switch

A Understanding the PoE+ Switch



B Plug and Play Setup

1. Connect your network devices to any available port (Ports 1-4 are PoE+ ports).
2. Use port 5 for up-linking to the network.
3. Power on the Switch, the **"Power"** LED will appear **GREEN**. The PoE+ Switch will go through Power-On-Self-Test (POST). The **"System"** LED will appear **RED** during the POST. Upon successful completion of the POST, the **"System"** LED will turn and stay **GREEN**.
4. The switch will automatically start to feed power to the connected 802.3af/at-compliant device.



5. The LED ON/OFF push button on the front panel will toggle ON and OFF all function LEDs, except the **"Power"** LED.

C LED Indication

Location	LED Indication	Color	Status	Description	
Device	Power	Green	ON	Power On	
			OFF	Power Off	
	PoE Power Budget	Green	Full Power (4 LEDs ON)	100% Power Budget is Available	
			75% - 99% Power (3 LEDs ON)	Between 75%-99% Power Budget is Available	
			50% - 74% Power (2 LEDs ON)	Between 50%-74% Power Budget is Available	
			25% - 49% Power (1 LED ON)	Between 25%-49% Power Budget is Available	
			Amber	15.4W - 24% Power (1 LED)	Between 15.4W-24% Power Budget is Available
				<15.4W (1 LED Blinking)	<15.4W Power Budget is Available
	System	Green	ON	System up	
			Amber	ON	In POST
Blinking			PoE Failed		
Ethernet Port 1 ~ 5	Link/Act (Left)	Green	ON	Link at 1000Mbps mode. (Gigabit Ethernet)	
			Blinking	Data transmitting/receiving.	
			OFF	No Link	
		Amber	On	Link at 10/100Mbps mode. (Fast Ethernet)	
			Blinking	Data transmitting/receiving.	
			OFF	No Link	
Ethernet Port 1~4	PoE (Right)	Green	ON	PoE power output <=15.4W	
		Amber	ON	15.4W < PoE power output <=30W	
		Amber	Blinking	PoE power output: Over > 30W	
		Green	OFF	Not used	
		Amber	OFF	Not used	

D PoE Function

Item	Specifications																								
PoE Standard	IEEE 802.3af & IEEE 802.3at Standard																								
PoE Capable Ports	Ports 1 – 4																								
PoE output power capacity	<p>Maximum output: 30W per port.</p> <ol style="list-style-type: none"> Support PoE and PoE+. (IEEE 802.3af & IEEE 802.3at standards) Automatically discover the connection of a PoE device. Automatically disable port if the port's current is over 720mA. When Port is set in Auto Mode, the output port power limit will be associated with the PD Classification Value. <table border="1"> <thead> <tr> <th>Class</th> <th>Usage</th> <th>Minimum Power Levels Output at the PSE</th> <th>Maximum Power Levels at the Powered Device</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Default</td> <td>15.4W</td> <td>0.44 to 12.95W</td> </tr> <tr> <td>1</td> <td>Optional</td> <td>4.0W</td> <td>0.44 to 3.84W</td> </tr> <tr> <td>2</td> <td>Optional</td> <td>7.0W</td> <td>3.84 to 6.49W</td> </tr> <tr> <td>3</td> <td>Optional</td> <td>15.4W</td> <td>6.49 to 12.95W</td> </tr> <tr> <td>4</td> <td>Optional</td> <td>30W</td> <td>12.95W to 25.5W</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Follows the standard PSE pin-out standard of Alternative A (MDI-X). 	Class	Usage	Minimum Power Levels Output at the PSE	Maximum Power Levels at the Powered Device	0	Default	15.4W	0.44 to 12.95W	1	Optional	4.0W	0.44 to 3.84W	2	Optional	7.0W	3.84 to 6.49W	3	Optional	15.4W	6.49 to 12.95W	4	Optional	30W	12.95W to 25.5W
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3	Optional	15.4W	6.49 to 12.95W																						
4	Optional	30W	12.95W to 25.5W																						

E System Parameters

Power Supply:

Items	Specifications
Total Electrical Power	110W
AC Input Voltage	100V ~ 240V, 50/60Hz
DC Output	+54V: 2A (Max)
Power Consumption	5.14W
MTBF Requirement	7 years
FAN	Fanless

Housing:

Items	Specifications
Dimension	7x9x1.7in. (WxDxH)
Weight	2.7lbs.
Wall Mount	Wall Mount Ear / Magnetic
Magnet (screw hole)	4 magnets on the case
Latch	On the power socket to latch the power cord