

POE304 - Quick Start Guide



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A PoE switch is a network switch which has power over Ethernet built-in.

The PoE switch will detect whether the load device is PoE compatible and provide PoE power automatically and network connection.

The units add extra flexibility to a network infrastructure thanks to 100 metre run capabilities both in and out of them.

User Information

- The PoE Switch must be installed in a clean, dry environment where it will not be exposed to high temperatures, moisture or excessive dust.
- Do not touch the PoE Switch or any of its connections with wet hands.
- Ensure the power is switched off if the PoE Switch is not in use for a long period of time.
- There are no user serviceable parts in the PoE Switch and opening or attempting to repair the product will void the warranty.
- Only use the PSU originally supplied with the product.
- Do not install or use the device if the power cable is damaged.

The Switches have different uses and setup options. Including providing power to PoE Cameras, and providing network access to devices like computers.

Setup Options

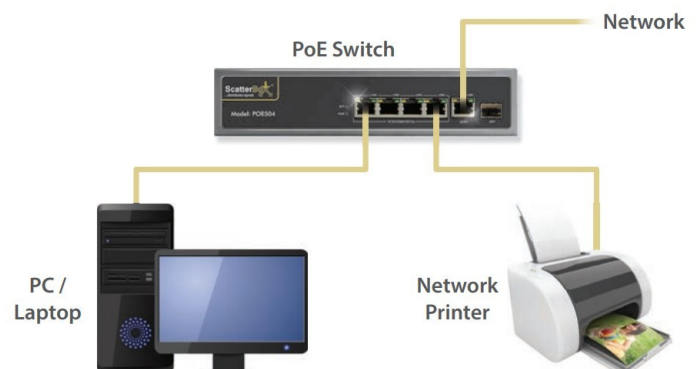
Option 1

To power IP Cameras using the PoE switch then connect the IP Cameras using CAT5e/CAT6 Ethernet Cable, for longer distances we recommend using high quality cable, with solid copper cores.








Option 2

Provide network infrastructure to PoE and non-PoE Devices, like computers, and other Network devices..



LED Status Indicators

LED	Condition	Status
Power	 On	The switch is receiving power
	 Off	The switch is not receiving power
Network / Link	 On	The port is connected
	 Off	No connection to the port
	 Flashing	The port is transmitting or receiving data

VLAN The VLAN switch allows separation between ports. As default VLAN is off, when VLAN is on ports on the different blocks won't be able to see each other. Note that the UPLINK does see all ports so the separation is only between ports.



OFF ON

Troubleshooting

Problem	Possible Cause	Solution
No Power light on Switch	No power to the device	Check power to device from external source. Check that the power lead (IEC lead) is plugged in to the PSU and the PSU is plugged into the switch.
	Loose connection	Check that the power lead (IEC lead) is plugged in to the PSU and the PSU is plugged into the switch.
Network light not flashing	Poor quality cable or termination	Check the Ethernet cabling to your device is of good quality and is terminated correctly.
Connected devices not powering	Poor quality cable or termination	Check the Ethernet cabling to your device is of good quality and is terminated correctly
	Total power consumption exceeded	Check the load devices are not above the total power consumption of the switch.
	Cable length	Check the distance of Ethernet cable to your device. Ethernet cables have a 100m maximum length.
Slow flashing LEDs, No network on load devices	Faulty cable or device	Turn the power off to the switch & unplug the load devices (Check Ethernet cabling to load devices). Leave the switch turned off for 10 seconds and then power the switch back up, plug each device back into switch individually to help troubleshoot the suspect cable.

Specification

Downlinks	4 x RJ45
Uplinks	2 x RJ45
PoE	30W (Max per port)
Power	96W (Whole device maximum)
Bandwidth	10Mbps / 100Mbps
Use	Internal Use Only
Working Temperature	0°C ~ 40°C
Power Input	240V AC (Lead supplied)
Dimensions	(w)210 x (d)136 x (h)44.5mm

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