



## SystemQ POE154 ScatterBox Full 1Gbps PoE Extender and 4 Way Switch User Guide

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### SystemQ POE154 ScatterBox Full 1Gbps PoE Extender and 4 Way Switch



## User Information

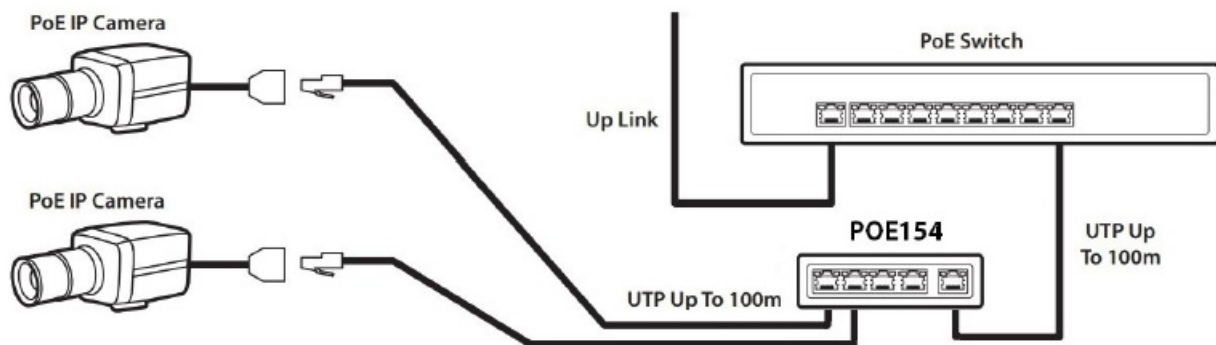
- The POE154 must be installed in a clean, dry environment where it will not be exposed to high temperatures, moisture or excessive dust.
- Do not touch the POE154 or any of its connections with wet hands.
- There are no user serviceable parts in the POE154 and opening or attempting to repair the product will void the warranty.
- Do not install or use the device if the CAT5e/CAT6 Ethernet Cables connected are damaged.

Use this on the end of a PoE circuit to create 4 more full 1Gig ports each with PoE. This means you don't need a local PSU for the switch.

The extender can also be powered by 12V and act as a normal 1Gbps 4 way switch non-PoE.

## How It Works

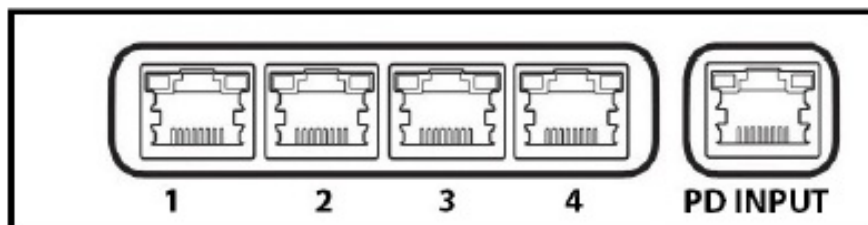
The POE154 is easy to install into an IP CCTV system as shown below. It can be installed at the end of a 100 meters network cable to extend the network and PoE supply by 100 meters at full speed.



















## Connections

Connect the PD INPUT on the POE154 to a network switch using a CAT5e/CAT6 Ethernet Cable terminated into an RJ45 plug.

Connect a CAT5e/CAT6 Ethernet Cable into ports 1 – 4 and connect the load device or devices, such as an IP camera. Ports 1-4 support single-port PoE power up to 30W.



## LED Status Indicators

Input / Output	LED	Condition	Status
PD INPUT	Network Link	 On	The port is connected
		 Off	No connection to the port
		  Flashing	The port is transmitting or receiving data
	POE	 On	The port is linked and receiving power
		 Off	The port is not receiving power
		  Flashing	The port is transmitting or receiving data
Ports 1 - 4	Network Link	 On	The port is connected
		 Off	No connection to the port
		  Flashing	The port is transmitting or receiving data
	POE	 On	The port is linked and providing power to a device
		 Off	The port is not providing power to a device
		  Flashing	The port is transmitting or receiving data

## 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.
No PoE on connected device	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 or PoE 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.

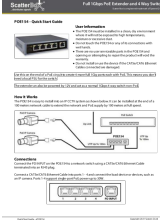
## Specification

Output Connection	4 x RJ45
Input Connection	1 x RJ45
Max Cable Output	100m
Max Input	60W (IEEE 802.3BT)
Power	30W per port (60W Whole device maximum)
Bandwidth	10/100Mbps/Full Gigabit
Use	Internal Use Only
Power	PoE / 12V DC
Dimensions	H) 28 x (W) 120 x (D) 86mm

All specifications are approximate. System Q Ltd reserves the right to change product specifications or features without notice. Whilst every effort is made to ensure that these instructions are complete and accurate, System Q Ltd cannot be held responsible for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment referred to.

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## Documents / Resources

	<p><a href="#">SystemQ POE154 ScatterBox Full 1Gbps PoE Extender and 4 Way Switch</a> [pdf] User Guide</p> <p>POE154, ScatterBox Full 1Gbps PoE Extender and 4 Way Switch</p>
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