

# PoE Extender

Extends PoE Network Range Up To 500 meters

## Extend your wireless network access and place IP cameras where you need them most.

WLAN APs often have to be installed more than 100m away from the communications room, which not only breaks the IEEE Ethernet standard but also significantly reduces network performance, considerably lowering the bandwidth available. With the PowerDsine PoE-extender you can easily improve the range and placement of your wireless and surveillance networks and therefore the strength of your networks.

A cost-effective way to extend the Ethernet network range beyond 100m, the PoE-extender will deliver both data and power to network devices up to 200m while complying with IEEE PoE and data standards.

The PoE-extender has both a PD and a PSE chip inside so both the power and the data may be reliably transmitted beyond 100m. The extender acts as a pass-through with data-repeating capabilities.

## PoE Extender Features

- Plug and play installation
- Supports 10/100/1000 Mbps data transfer rates
- Up to 30W of PoE
- Standard Cat5 or better Ethernet cables required
- Cascaded for up to 500m

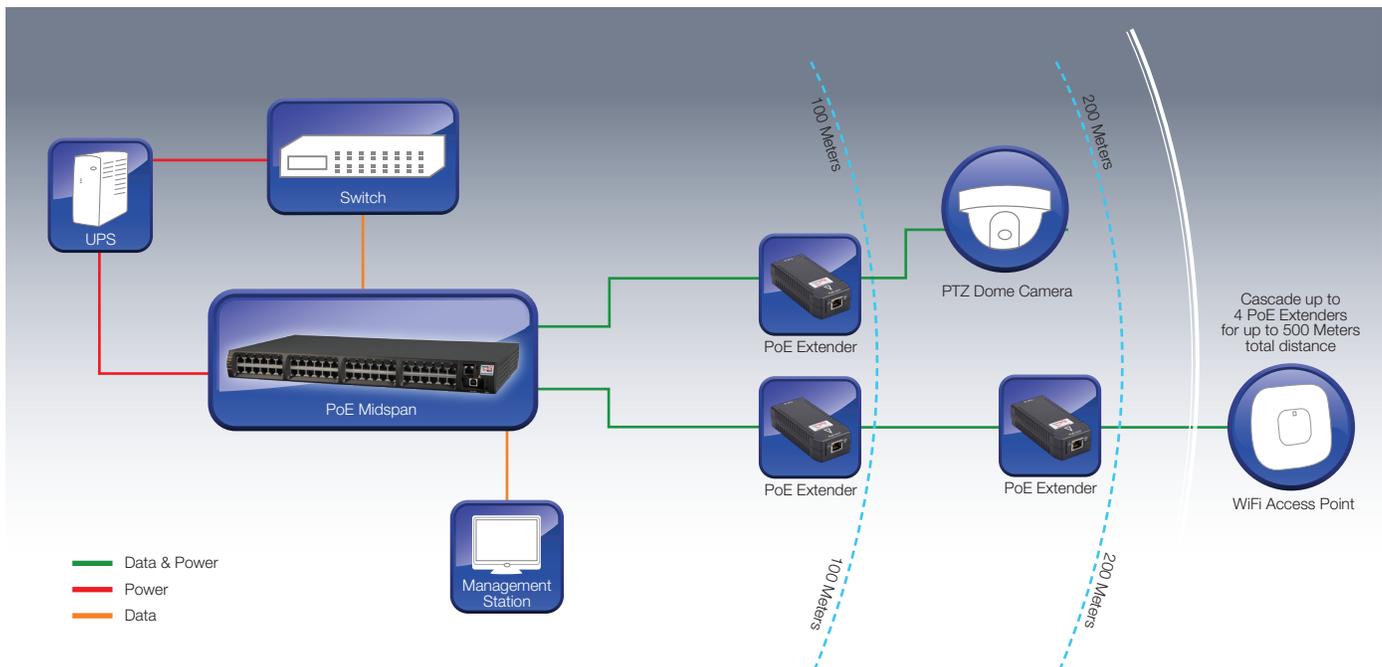


Microsemi delivers Power over Ethernet to remote Ethernet based devices up to 500m away.

## How far can your PoE go?

Microsemi PoE-extenders can be cascaded to reach up to 500m from the closest datacenter or network closet so you can easily install WLAN APs, IP cameras and access controllers where you need them.

PSE Source	PD Available Power @ 200m
4-pairs IEEE802.3at PSE (60W) (e.g. PD-95xx Series)	25.5W (802.3at PD)
IEEE802.3af PSE (15.4W) (e.g. PD-35xx, PD-65xx Series)	12.3W (802.3af Class 2 PD)



## Think outside the building

Outdoor installations of WLAN APs, IP camera's and access controllers can be done using a PowerDsine PD-9001G-40/SP with internal surge protection. Simply connect the outdoor device through the 40W PD-9001G-40/SP midspan. For outdoor devices beyond 100m that require the use of a PoE-extender, external surge protection will still be required.



## Flexible, adaptable networks

Microsemi PoE systems by Microsemi let you build flexible, powerful networks that can grow and adapt as your network evolves. By decoupling the data and power networks, and making power part of the infrastructure you can both prolong the life of your data network and reduce the overall cost of it. Power is the single highest point of failure in any data network, and replacing PoE ports is more expensive than replacing non-PoE ports. Additionally, adding PoE through a separate midspan device lets you buy exactly the PoE ports you need, at the power levels you need them; thereby reducing hard costs as well as energy costs.



**Microsemi**

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