

# The Power Solution for Wired Ethernet Networks

## Solution Overview

Discover how to power your high-power Ethernet-based applications with Microchip multi-Power over Ethernet (mPoE) technology; an excellent solution for traditional network devices such as IP phones, Wireless Access Points (WAPs), and IP surveillance cameras, as well as 5G small cells, LoRa<sup>®</sup> gateways, LED luminaires, access control terminals and other Internet of Things (IoT) devices. Microchip mPoE products also enable backward compatibility with pre-standard devices while supporting all IEEE<sup>®</sup> PoE standards.

## Product Features

- 60W and 90W
- Single and multi-port (1/6/12/24)
- Indoor, outdoor and industrial rated
- Powermanagement (cloud based SNMPv3)
- Dual power supply (AC and DC)

## Target Applications

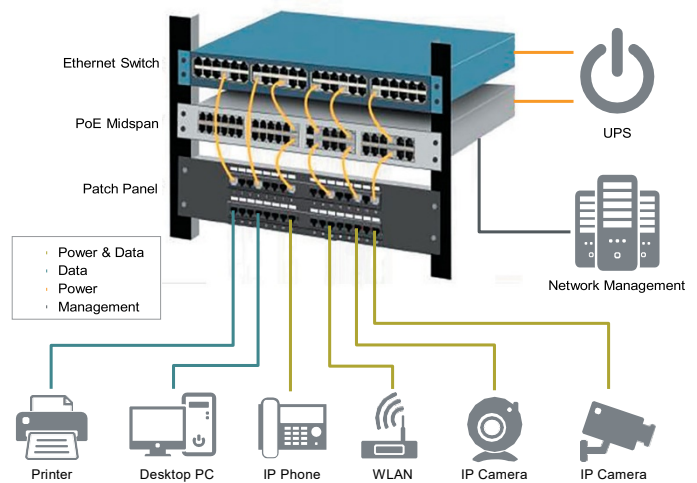
- 5G
- IoT
- Lighting
- Smart City
- Switching
- Wireless

## Challenges Addressed

- Unique ability to support new IEEE<sup>®</sup> 802.3bt compliant devices and existing pre-bt solutions (as default in the 1-ports, user option via NMS in the multi-ports)
- IEEE<sup>®</sup> 802.3bt standard compliant, backwards compatible to IEEE<sup>®</sup> 802.3af/at
- Power outdoor devices, wireless access points, wireless radios and surveillance cameras with outdoor rated PoE systems
- Remotely manage the power network and overcome troubleshooting challenges

## Why Microchip mPoE?

Microchip multi-Power over Ethernet (mPoE) powers any wired network device seamlessly and efficiently, making it the ideal solution for Ethernet-based applications. Leveraging a uniquely designed algorithm, this technology enables backward compatibility with pre-standard devices while supporting all IEEE<sup>®</sup> PoE standards. Microchip mPoE technology solves interoperability issues between different PoE standards/legacy solutions and eliminates the dependency on AC infrastructure and its variations to provide an international network power standard.



## The Sales Pitch

Power-over-Ethernet technology is becoming the most used and efficient power source for IT networks. Microchip mPoE, IEEE<sup>®</sup> 802.3bt compliant solutions deliver up to 90W and are backward compatible with pre-standard devices and enable most enterprise devices to be powered by PoE.

Microchip's PoE systems are IEEE standards compliant, tested and approved by industry leading vendors and have millions of ports installed worldwide. We offer a complete product portfolio, from single-ports to 24-ports, indoor, outdoor and industrial rated, Microchip's PoE systems offer significant differentiators and unique features, enabling you to succeed.



## Microchip mPoE Product Selection Guide

### Indoor

Power Per Port	Product	Number of Ports	Data Rate	Managed	Input Power	Warranty
60W	PD-9501GC/AC-EU	1	1G		AC	1 year
60W	PD-9501GC/AC-UK	1	1G		AC	1 year
60W	PD-9501-10GC/AC-EU	1	10G		AC	1 year
60W	PD-9501-10GC/AC-UK	1	10G		AC	1 year
60W	PD-9506GC/AC-EU	6	1G	Yes	AC	3 years
60W	PD-9506GC/AC-UK	6	1G	Yes	AC	3 years
60W	PD-9512GC/AC-EU	12	1G	Yes	AC and DC	3 years
60W	PD-9512GC/AC-UK	12	1G	Yes	AC and DC	3 years
60W	PD-9524GC/AC-EU	24	1G	Yes	AC and DC	3 years
60W	PD-9524GC/AC-UK	24	1G	Yes	AC and DC	3 years
90W	PD-9601GC/AC-EU	1	1G		AC	1 year
90W	PD-9601GC/AC-UK	1	1G		AC	1 year
90W	PD-9606GC/AC-EU	6	1G	Yes	AC	3 years
90W	PD-9606GC/AC-UK	6	1G	Yes	AC	3 years
90W	PD-9612GC/AC-EU	12	1G	Yes	AC and DC	3 years
90W	PD-9612GC/AC-UK	12	1G	Yes	AC and DC	3 years
90W	PD-9624GC/AC-EU	24	1G	Yes	AC and DC	3 years
90W	PD-9624GC/AC-UK	24	1G	Yes	AC and DC	3 years
90W	PDS-408G/AC-EU*	8	1G	Yes	AC	3 years
90W	PDS-408G/AC-UK*	8	1G	Yes	AC	3 years

\*PoE switch with 2 x Uplinks (10/100/1000 Copper) and 1x SFP (Fiber/Copper)

### Outdoor

Power Per Port	Product	Number of Ports	Data Rate	Managed	Input Power	Warranty
60W	PD-9501GCO/AC	1	1G		AC	3 years

### Industrial

Power Per Port	Product	Number of Ports	Data Rate	Managed	Input Power	Warranty
60W	PD-9501GCI/DC	1	1G		DC	3 years

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