

Microchip mPoE | Infinite Possibilities

The Ultimate Power Solution for Wired Ethernet Networks

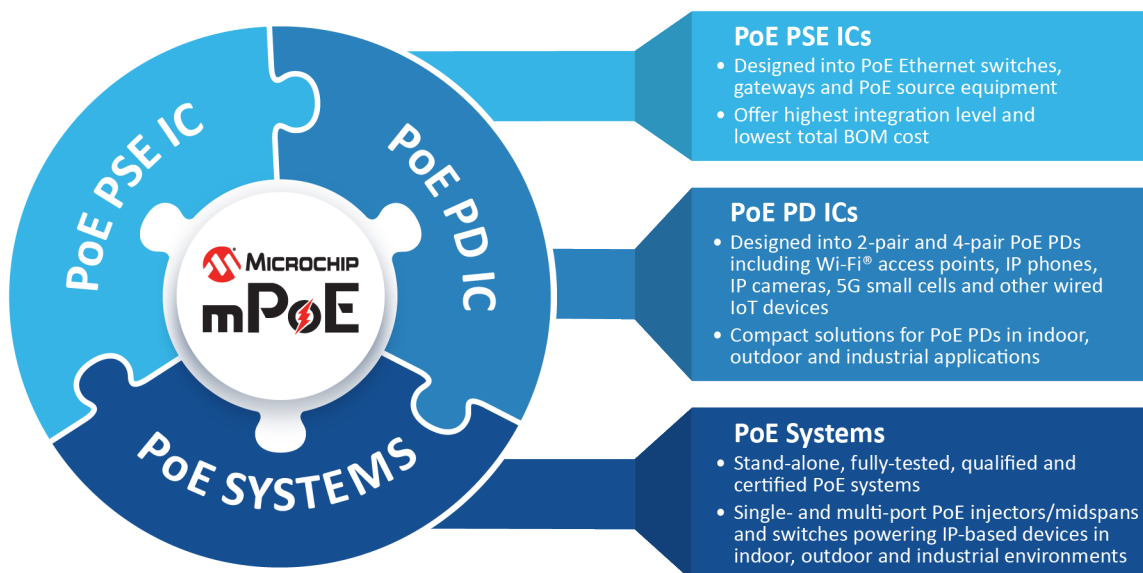
Shaping the Future of Network Power

Microchip multi-Power over Ethernet (mPoE) is a technology that 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 PoE standards. Microchip mPoE supports PoE 1, PoE 2, PoE+, IEEE 802.3af/at/bt, legacy af/at, 12.5K, UPoE, Class 4 60W and PoH standards concurrently. This versatile technology enables flexible and quick network design upgrades to address any business requirement. It delivers the scalability and interoperability necessary to power IoT networks not only today but well into the future.

Simplifying Interoperability Using International Network Power Standard

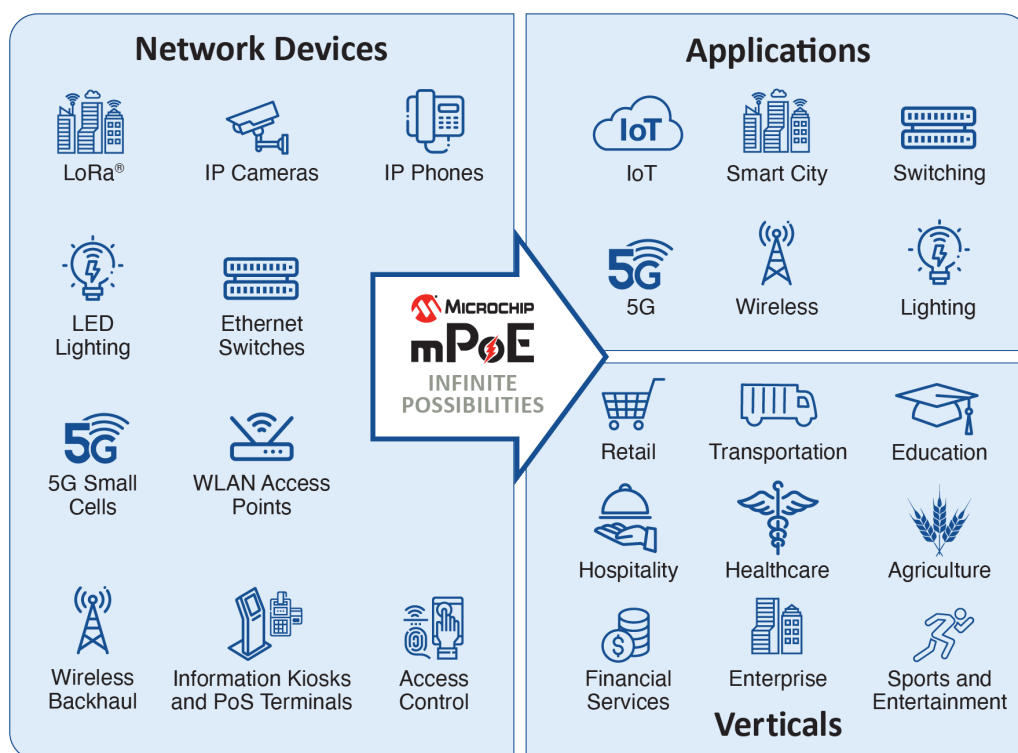
Microchip mPoE offers a universal power standard that eliminates the dependency on AC infrastructure and its variations. Building flexible, scalable and reliable future-proof networks capable of accommodating business growth is a necessity. As the industry adopts the latest generation of PoE technology for managing data and power over a single Ethernet cable, companies face the challenge of making pre-standard Powered Devices (PDs) work alongside new IEEE 802.3bt-compliant PDs in a single Ethernet infrastructure. Microchip mPoE product portfolio enables both pre-standard and IEEE-compliant PoE devices to work together on the same network allowing quick and seamless deployment of PoE in any network without changing existing switches, cabling or end devices. Microchip mPoE technology solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard.

Microchip mPoE Product Portfolio



Powering an Attractive Ecosystem of End Devices and Applications Across Verticals

We support an ecosystem of various network devices, applications and vertical markets, delivering endless opportunities for leveraging the PoE technology. Microchip mPoE powers any pre-standard and IEEE-compliant wired network device – from the traditional network devices such as IP phones, wireless APs and IP surveillance cameras, as well as 5G small cells, LoRa® gateways, LED luminaires, access control terminals and other IoT devices. The technology simplifies network infrastructures, ensures reliable delivery of power to network devices and lowers the total cost of ownership; which is why our Microchip mPoE product portfolio is widely adopted in applications such as IoT, switching, 5G, wireless and lighting. Microchip mPoE is redefining the way many leading industry verticals benefit from PoE. We provide solutions for education, healthcare, retail, sports and entertainment, transportation, financial services, hospitality and agriculture verticals to name a few.



Delivering a Strong Value Proposition

Microchip is an innovator and thought leader in PoE technology, as well as a major contributor to the 802.3af, 802.3at and 802.3bt IEEE standards. As pioneers in PoE, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches). As both a system and chipset supplier, we provide foolproof PoE solutions to address unique business requirements. Innovation being our primary focus, our products are thoughtfully designed to deliver full power and energy efficient PoE.

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