

PD-USB-DP60

PoE to USB-C® Ethernet to USB-C Adapter

Summary

The PD-USB-DP60 PoE to USB-C® adapter connects Internet of Things (IoT) devices with a USB-C connector to Power over Ethernet (PoE) networks, enabling users to leverage the advantages of PoE and USB-C technologies. The PD-USB-DP60 provides both power and data to laptops with USB-C connectors and power to USB-C powered devices.

The PD-USB-DP60 adapter enables flexible installation of USB-C devices, eliminates the need for a nearby power outlet and resolves the issue of limited USB cable length. The PoE source can be up to 328 ft/100m from the location of the USB-C device. This adapter, which requires a single Ethernet cable, can deliver up to 60W of USB power at its output.

The PD-USB-DP60 connects with small PCs/Next Units of Computing (NUCs), interactive information kiosks, smart monitors, tablets, laptops, cellphones, cameras and other USB-C powered devices consuming up to 60W. The adapter is compatible with USB 2.0 and 3.1 and will automatically provide the exact amount of power the end device needs.

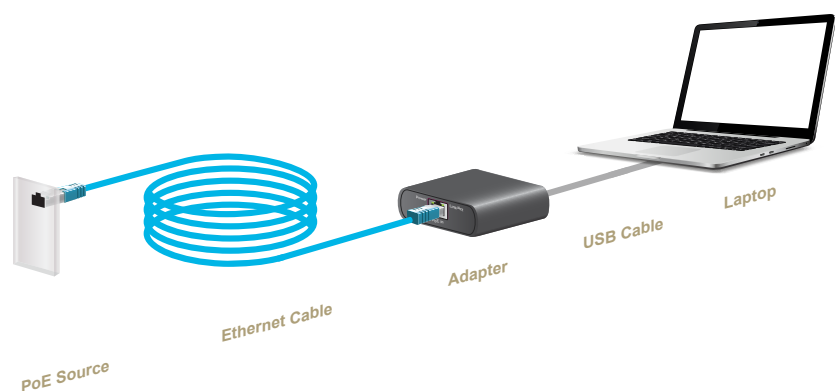


Key Features

- Up to 60W output power
- Provides power and data to laptops with USB-C connectors
- Allows 328 ft/100m installation range
- Supports PoE switches and injectors from 15.4W and up to 90W
- Plug-and-play USB-C power, no configuration is needed, simple to use

Software Support

- Windows® OS: Up to Windows 10
- Linux® OS: Kernel 4.3 and above
- Apple® OS: OS X® and macOS® up to 11.4



Specifications

Feature	Description
Number of Ports	1 PoE input, 1 USB-C® Output
Data Rates	10/100/1000 Mbps
PoE Input	PoE up to 90W (42–57 Vdc)
USB-C Output	Data: USB 2.0, USB 3.1 Gen 1 Power: up to 60W (5 Vdc/3A, 9 Vdc/3A, 15 Vdc/3A, 20 Vdc/3A)
Dimensions	22.4 mm (H) × 66.8 mm (W) × 105.2 mm (L) 0.88 in. (H) × 2.63 in. (W) × 4.14 in. (L)
Weight	150g (0.33 lb)
Indicators	PoE Power: Yellow Data Link: Green VBUS (located on USB-C Cable): Green
Connections	PoE: Shielded RJ45 EIA 568A and 568B USB: USB Type-C
Environmental Conditions	Operating Ambient Temperature: 32°F to 104°F (0°C to 40°C) Operating Humidity: Max 90%, Non-Condensing Storage Temperature: –4°F to +158°F (–20°C to +70°C) Storage Humidity: Max 95%, Non-Condensing
Hazardous Substances	CE, WEEE
Warranty	1 year
Extended Warranty Available	No
Reliability	MTBF 150,000 hr
Electromagnetic Emission and Immunity	FCC Part 15 Class B, EN 55032 Class B, VCCI, ICES-003, EN55035

Technical Support

For technical support, please visit the Microchip Technical Support Portal at www.microchip.com/support

LAN7800 Driver

To download drivers for the LAN7800 please visit the LAN7800 product page: [LAN7800](#)

Ordering Information

Product Name	Part Number	Description
PoE to USB-C® Adapter	PD-USB-DP60	PoE to USB-C Data and Power Converter with 30 cm USB Type-C Cable

About Microchip mPoE



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 solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard. As a pioneer in PoE technology, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).

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