MICROCHIP PD-USB-DP60 Power and Data Adapter User Guide

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PD-USB-DP60

1. Connect an IEEE® 802.3af/at/bt-compliant PSE to the PD-USB-DP60's "PoE IN" RJ45 socket using a standard Cat 5/5e/6 Ethernet cable. (Note: The maximum allowed length of the Ethernet cable is 100 meters).
2. Check that the "Power" LED is yellow to verify that the PD-USB-DP60 is powered on.

3. Connect one side of the supplied USB Type-C® cable to the PD-USB-DP60's USB-C socket. (Note: Any USB-C connec-tion polarity is allowed.)
4. Connect the other side of the USB Type-C cable to the USB-C powered device.

5. Verify that the USB-C powered device is getting power from the PD-USB-DP60.

Ethernet-to-USB-C Data Dongle

If PoE power isn't available, and wired Etherent is required, the PD-USB-DP60 can be powered from a USB Host:

1. Connect one side of the supplied USB Type-C cable to the USB-C host.
2. Connect the other side of the USB Type-C cable to the PD-USB-DP60's USB-C socket.
3. Connect a standard Cat 5/5e/6 Ethernet cable the PD-USB-DP60's "PoE IN" RJ45 socket to connect to an IEEE 802.3 10/100/1000 Mbps network.

LED Indicators

LED	Appearance	Status
Power	No Light	PD-USB-DP60 is: powered off or powered on as a dongle
	Yellow On	PD-USB-DP60 is powered on
Link/ Act	No Light	No data link
	Green On	Data link on
	Green Blinking	Data activity on

Specifications

Data

- PoE IN
- 10/100/1000 Mbps
- USB Type-C
- USB 2.0
- USB 3.1 Gen 1

Power

- PoE IN
- Input Voltage: 42-57 VDC
- Input Current: 1.75A max
- USB Type-C
- 5 VDC/3A
- 9 VDC/3A
- 15 VDC/3A
- 20 VDC/3A

Environmental Information:

- Operating Temperature: 0°C to 40°C (32°F to 104°F)
- Operating Humidity: 90% Max (non-condensing)
- Storage Temperature: –20°C to +70°C (–4°F to +158°F)
- Storage Humidity: 95% Max (non-condensing)

- Dimensions: 22.4 mm (H) x 66.8 mm (W) x 105.2 mm (L)
- Weight: 150g

Notes

- If the USB host is running the Windows® operating system, the device driver should be automat-ically installed (plug and play) after the PD-USB-DP60 is connected. Linux® may require driver installation in case the LAN7800 Ethernet controller is missing. Apple® requires driver installation.
- If the USB host doesnt recognize the PD-USB-DP60 as a USB device, please go to the LAN7800 product page to download and install the appropriate device driver.
- Powering multiple PD-USB-DP60 from the same PoE multiport midspan may affect data/power per-formance to connected USB-C devices (i.e. laptop) if they are sharing common peripheral equipment such as monitors, projectors, etc.

Technical Support

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

LAN7800 Driver

To download device drivers for the LAN7800 please visit the LAN7800 WEB page: LAN7800
USA/Canada: +1 877 480 2323

Documents / Resources

	MICROCHIP PD-USB-DP60 Power and Data Adapter [pdf] User Guide PD-USB-DP60, Power and Data Adapter, PD-USB-DP60 Power and Data Adapter
	MICROCHIP PD-USB-DP60 Power and Data Adapter [pdf] User Guide PD-USB-DP60 Power and Data Adapter, PD-USB-DP60, Power and Data Adapter, Data Adapter, Adapter

References

- Empowering Innovation | Microchip Technology
- Microchip Lightning Support