

# Power over Ethernet to USB Power Delivery

## Innovation

Power over Ethernet is an increasingly popular choice for smart buildings and retrofits due to its ability to provide data and electric power over a single cable. 802.3bt Type 4 opens up new applications with its ability to provide up to 71W of power to the powered device

## Value Advantage

Enables USB-C to power and charge phones, laptops, monitors, and other USB powered devices in areas with access to PoE, eliminating the need to run wiring for AC power

- 802.3bt Type 4 capable for up to 71 W using **NCP1096 PoE PD Controller with Integrated Hot Swap FET**
- Efficient power conversion using the **NCP12700 Wide Input Flyback Controller**
- PD 3.0 v1.2 and Type-C r1.4 Compliant **FUSB3307 Adaptive Source Charging Controller**

## Current Proposition

Convert Power over Ethernet power sources to USB Power Delivery for smart buildings and areas without AC power for USB powered devices

## Block Diagram

