

# eSynC P1UE

## RBM-Equipped SimulCharge Adapter With PoE, Ethernet and 1 Power-Only USB-A Port

The eSynC-P1UE is a SimulCharge adapter designed for use with select USB-C Samsung tablets and smartphones. It features Network Recovery & Battery Modulation (RBM) technology, Power over Ethernet (PoE) and Ethernet and one USB-A power-only port to power a USB peripheral.

Part of the e series line, the eSynC-P1UE features Network Recovery & Battery Modulation (RBM) technology which combines Ethernet recovery (in case of a wired connection dropout) and battery modulation technology that ensures the mobile device doesn't overcharge and keeps its battery from bloating, which can cause severe damage to the device.

Working in tandem with the LAVA Tablet Manager (LTM) app, which needs to be preinstalled on the mobile device for use with an e series adapter, allows the user to configure upper and lower charging limits for the mobile device's battery. These limits ensure that the mobile device's battery is continuously kept within its optimal charge limits/conditions, thus maintaining battery health and extending its operating life.

PoE provides both power and a reliable network connection over the same Ethernet adapter.\* No electrical outlet is required and it can be installed without the need of an electrician. PoE also provides more options for where to put the tablet as the adapter can be placed up to 328 ft (100 m) away from the network switch.

In addition to network recovery and battery modulation, the LTM app also provides access to a Screen Brightness Management feature, which can automatically adjust the brightness of the mobile device for both day and night. With RBM, you can keep the mobile device running and plugged in 24 hours a day, 7 days a week, without suffering battery issues.

The adapter features one USB-A port that can provide power of up to 5V at 1 Amp to a USB peripheral. It does not provide a data connection. This configuration was specifically designed to provide enhanced power capabilities to a USB peripheral that only requires power from the SimulCharge adapter. Connected peripherals may still be connected to the tablet via over-the-air connections such as Bluetooth or Wi-Fi.



## Features

- USB Host Operation while Charging (SimulCharge)
- Network Recovery & Battery Modulation (RBM)
- Power over Ethernet (PoE)
- 10/100-Capable Ethernet
- 1 x USB-A Port (Power-Only up to 5V at 1A)
- Support for Installations Running 24/7
- No Mobile Device Rooting Required
- LAVA Limited Warranty

## System Requirements

Mobile Device: Please refer to the published Compatibility List

## Specifications

### Ports/Connectors

1 x RJ45 10/100 Ethernet port (LAN)  
 1 x USB-A (Power-Only)  
 1 x USB-C (for mobile device connection)  
 1 x Micro USB-B (5V aux. power)  
 1 x Device Link LED  
 1 x Ethernet Link/Activity LED  
 1 x USB Activity LED

### Input

Power over Ethernet (13W maximum)  
 Appears as a Class 0 PoE Device  
 For non-PoE operational use, the Micro USB-B port can be used (port rated for maximum 5V at 2A input)

### Output (To Mobile Device):

5 Volts at 1.3 Amps (Delivered through USB-C Port)  
 5 Volts at 1 Amp (Delivered to USB Peripheral through USB-A Port)

### Measurements:

Depth: 1.8 inches (46 mm)  
 Width: 1.8 inches (46 mm)  
 Height: 1.1 inches (27 mm)  
 Weight: 0.7 oz (20 g)