

# eSynC-PE *Specification Sheet*

## SimulCharge™, PoE, Ethernet Adapter with RBM Technology for USB-C Mobile Devices

The eSynC-PE is a SimulCharge™ adapter designed for use with select USB-C mobile devices. It features simultaneous charging and access to data, Power over Ethernet (PoE) and wired Ethernet connectivity. PoE provides 10.4 watts of charging power and allows the adapter to be placed up to 328 ft (100 m) away from the PoE-capable network switch or injector. The eSynC-PE also features Network Recovery & Battery Modulation (RBM) technology. Battery Modulation protects the mobile device's battery from overcharging, while Network Recovery can recover a dropped wired Ethernet connection. The LAVA Tablet Manager (LTM) app must be installed on the mobile device for the adapter to work properly.

### FEATURES

- USB Host operation while charging (SimulCharge™)
- Power over Ethernet (Class 0)
- Wired networking (10/100 Ethernet) support
- Battery Modulation for mobile device longevity
- Network Recovery
- Screen Brightness Management
- Support for installations running 24/7
- No mobile device rooting required
- LAVA Limited Warranty

### SYSTEM REQUIREMENTS

- Mobile devices: Please refer to the published compatibility list
- Installation of LTM app

### POWER 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)

### POWER OUTPUT (TO MOBILE DEVICE)

- 5V at 2A

### POWER SUPPLY

- PoE-Capable Network Switch or Power Injector (up to 13W)
- For non-PoE operational use, a USB charger/power supply with a Micro USB-B connector. Any regulated 5-volt power supply capable of at least 2 amperes can be used.

### PORTS/CONNECTORS

- 1 x RJ45 10/100 Ethernet port (for PoE & LAN)
- 1 x USB-C port (mobile device connection)
- 1 x Micro USB-B port ("Aux. 5V Input")

### INDICATOR LEDS

- 1 x Charge Status indicator LED
- 1 x Device Link indicator LED
- 1 x Link /Activity indicator LED (On Ethernet Port)
- 1 x USB Activity indicator LED (On Ethernet Port)

### CABLES

- 1 x USB-C to USB-C cable (up to 5ft/1.5m)  
**Note:** The cable is not included. However, it may be purchased from LAVA.

### MEASUREMENTS

- Depth: 3.3 inches (84 mm)
- Width: 3.8 inches (97 mm)
- Height: 1.7 inches (44 mm) – with standoffs
- Weight: 4.2 oz (119 g)