

# eSynC-PE-F *Feature Sheet*

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

The eSynC-PE-F is a fast-charging SimulCharge™ adapter designed for use with select USB-C mobile devices. It features simultaneous charging and access to data, Power over Ethernet (PoE), wired Ethernet connectivity and Network Recovery & Battery Modulation (RBM) technology.

Leveraging PoE technology, the adapter does not require a dedicated AC source, as it can be fully powered through its built-in Ethernet port. Simultaneously, this port can provide 10/100 Ethernet connectivity between the mobile device and network, providing a single cable solution for mobile device power and data. It can either fast charge the mobile device at 9 volts or provide standard charging at 5 volts.

PoE allows greater options for mobile device placement as it can be used in areas with limited electrical outlets. It can be placed up to 328 ft (100 m) from the power source.

Battery Modulation protects the mobile device's battery from overcharging and bloating. Through the LAVA Tablet Manager (LTM) app, installed on the mobile device, users can set upper and lower charging thresholds to ensure the mobile device's never exceeds a full charge, extending the lifespan of the battery. Meanwhile, Network Recovery can automatically recover a wired network connection if it unexpectedly drops out. The RBM-equipped adapter is ideal for use in a 24-hour environment.

*Note: For system requirements and other technical information regarding this adapter, please see the specification sheet.*



## Features

- USB Host operation while charging (SimulCharge™)
- Power over Ethernet (Class 0)
- Fast Charging
- 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

## Use Cases

- Kitchen Display System
- Staff Time Clock
- Boardroom Scheduling System
- Retail Display Signage
- Hospital Patient Info Display