

eSynC-PE-F *Product/Green Sheet*

Fast-Charging SimulCharge™, PoE, Ethernet Adapter 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.

The eSynC-PE-F is ideal for running digital signage, company management systems and information kiosks in a 24-hour environment.

Battery Modulation protects the mobile device from overcharging and its battery from bloating, which can cause severe damage to the device. Together with the LAVA Tablet Manager (LTM) app, which needs to be installed on the mobile device, the adapter optimizes battery life and makes the mobile device last longer for a better return on investment. LTM monitors the battery level and users can set upper and lower charging thresholds for the battery. When the battery charges to the higher threshold, the adapter turns off charging and the mobile device is allowed to discharge until it hits the lower threshold. This ensures the battery never overcharges, even if it is left plugged in 24/7. This modulation and overcharge protection helps to extend the lifespan of both the battery and device.

Network Recovery provides a failsafe system to recover the wired network connection if it drops out. If the connection is lost for more than a few minutes, the LTM app sends a command to reset the Ethernet portion of the adapter to re-establish the connection. It's the equivalent of unplugging the Ethernet cable and then plugging it back in.

The adapter comes in a black ABS casing that protects the electronics from mild shocks and impacts, allowing it to be used in different implementations. It does not ship with the USB-C to USB-C cable required to connect the adapter to the mobile device. This cable can be purchased separately from LAVA or a third-party supplier.

