

## SimulCharge™, PoE, Ethernet Adapter with RBM Technology for Samsung Micro USB Mobile Devices

The eSTS-PE is a SimulCharge™ adapter designed for use with select Samsung Micro USB mobile devices. It features simultaneous charging and access to data, Power over Ethernet (PoE), wired Ethernet connectivity and Network Recovery and 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. 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 eSTS-PE 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 beige ABS casing that protects the electronics from mild shocks and impacts, allowing it to be used in different implementations. It ships with a Micro USB to Micro USB cable to connect the mobile device. This custom LAVA cable must not be extended or replaced with a third-party one. Doing so will cause the mobile device to stop working.

*\*The mobile device can also be powered through the adapter's Micro USB-B port, which is rated for the standard 5 volts at 2 amps. It is recommended to use the charging cable that came with the mobile device. A separate power supply is not included.*

