

# eSTS-vcE *Specification Sheet*

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

The eSTS-vcE is a SimulCharge™ adapter designed for use with select Samsung Micro USB mobile devices. It features simultaneous charging and access to data, a built-in voltage converter and wired Ethernet connectivity. The built-in voltage converter can take a DC power input of 9-36V and steps it down to 5V for use with the mobile device. It allows the adapter to be placed up to 50 feet away from the power source. The eSTS-vcE 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™)
- Voltage converter
- 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

- DC power source capable of 9-36V
- For aux. power, 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

- 9-36V DC power supply with 2mm Center Pin Positive Barrel Jack connector (sold separately)
- For auxiliary power, a USB charger/power supply with a Micro USB-B connector, such as the power supply provided with the mobile device. Any regulated 5-volt power supply capable of at least 2 amperes can be used.

### PORTS/CONNECTORS

- 1 x RJ45 10/100 Ethernet port (LAN)
- 1 x Barrel (2 mm) DC Output Connector (Centre Pin Positive)
- 1 x Micro USB-B port (mobile device connection)
- 1 x Micro USB-B port ("Aux. 5V Input")

### INDICATOR LEDS

- 1 x eSTS Mode indicator LED
- 1 x Charge State indicator LED
- 1 x Link /Activity indicator LED (On Ethernet Port)
- 1 x USB Activity indicator LED (On Ethernet Port)

### CABLES

- 1 x Micro USB-B to Micro USB-B cable

**Note:** The custom cable connects the LAVA product to the mobile device. This cable must not be extended.

### MEASUREMENTS

- Depth: 3.3 inches (84 mm)
- Width: 3.8 inches (97 mm)
- Height: 1.7 inches (44 mm) – with standoffs
- Weight: 4.1 oz (116 g)