

# eSTS-BM-OEM

## BATTERY MODULATION ADAPTER FOR SAMSUNG TABLETS



### PRODUCT DETAILS

The eSTS-BM-OEM adapter is a core component of an extended version of STS boards' family. It features the RBM technology for the battery modulation, and screen brightness management for the Samsung tablets. The eSTS-BM-OEM uses a standard USB power supply provided with the tablet.



**HIGHLIGHTS**

- Battery Modulation
- Brightness Management

### BATTERY MODULATION (BM)

The battery modulation allows the tablet to be repetitively charged up to an upper set point battery level and then allowed to discharge to a lower set point battery level. This mimics the standard charge cycles of charging a tablet and then disconnecting the charger before it will start a trickle charging (overcharging).

The BM technology improves battery tablet longevity.

### SCREEN BRIGHTNESS MANAGEMENT

The LAVA Tablet Manager lets you control the brightness of the used tablet based on a time of the day. This reduces the tablet heat generation, power consumption, and optimizes the brightness for the commercial use.

The eSTS-BM-OEM can be used on its own, or as part of a third-party enclosure solution, supporting a variety of kiosk-type applications.

### PRODUCT FEATURES

- › Designed for commercial/OEM use with Samsung Tablets
- › Battery Modulation for tablet longevity
- › Screen Brightness Control
- › Support for installations running 24/7
- › Uses original power brick supplied with the tablet
- › Can be powered by a USB Battery Pack (aka Power Bank)
- › Maintenance resets of tablet and module hardware
- › eSTS Mode & Charge State indicator lights
- › LAVA Limited Warranty

### SYSTEM REQUIREMENTS

Tablet:	Please refer to the tested tablet list that can be found at <a href="http://www.lavalink.com">www.lavalink.com</a>	
Power Supply:	USB Charger/Power Supply with a Micro USB-B connector, such as the power supply provided with the Galaxy tablet. Any regulated 5 volt power supply capable of at least 2 amperes can be used.	
Ports/Connectors:	1 x Micro USB B port (for Tablet connection) 1 x Micro USB B port (the 5V power input)	1 x eSTS Mode indicator LED 1 x Charge State indicator LED
Cables:	1 x Micro USB B to Micro USB B cable (8"/20 cm) Note: The custom 8"/20 cm cable connects the device to the tablet. This cable may not be extended.	
Measurements:	Depth: 0.16 inches (4 mm) Width: 1.10 inches (28 mm)	Height: 0.08 inches (22 mm) Weight: n/a

LAVA Computers MFG. Inc. designs and manufactures computing interfaces and devices for the Point of Sale, Kiosk, Gaming, Industrial Automation, Security and Access Control industries, and has been doing so since 1984. As experts in serial interfaces for PCI, PCIe, ISA, USB, and Ethernet buses, LAVA builds tablet PoE/USB/LAN devices, Ethernet-to-serial device servers, serial/parallel I/O boards, and embedded IoT/M2M connectivity devices.

With over a million LAVA products built into workstations, servers, retail POS systems, and industrial computers, LAVA products are trusted by resellers, distributors, OEMs and system builders in over 47 countries worldwide.

