



nSTS-1U-OEM QUICK START

SIMULCHARGE™ USB OEM ADAPTER WITH DOCKING DETECT FOR SAMSUNG TABLETS

The LAVA nSTS-1U-OEM adapter is a member of the LAVA nSTS Family of devices.

The nSTS has the ability to place the tablet in SimulCharge Mode and use a Docking Detect feature to automatically connect a tablet while docked to a cradle. The Docking Detect is an add-on to simplify installation process of connecting kiosk application components in a user defined way. The adapter is suitable for both, permanent and portable applications.

Simulcharge mode allows select Samsung Tablets to work with USB accessories while power is being supplied to the tablet, which is referred to as SimulCharge Mode.

The nSTS has no required setup in the tablet. The nSTS board is a simple plug-n-play solution with an automatic Simulcharge connectivity to the tablet.

APPLICATION

The nSTS board is ideal for situations where tablets need power and the ability to support USB accessories in a situation when power sequences cannot always be followed. If you intend to plug your tablet solution in and out of power often, this board will meet your installation requirements.

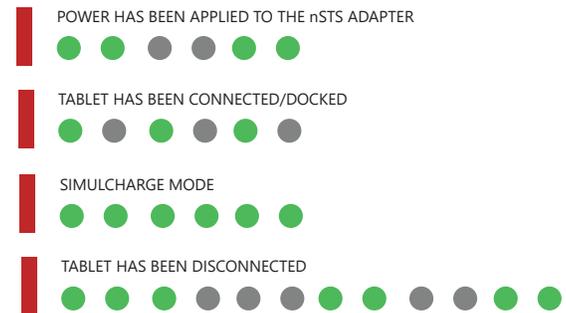
nSTS-1U-OEM SAMPLE CONNECTION DIAGRAM



STATUS LED STATES

Each nSTS has a Status LED. The mounting location varies between each nSTS Product.

The "Charge State" LED describes states of a connection as followed:



POWER SUPPLY

The board and tablet are typically powered through the Micro USB-B power input using the same USB power supply provided with the tablet. The standard Samsung USB Power Supply is rated at 5 volts and 2 amperes, which nominally provides 5.0 to 5.1 volts at the nSTS input.

The power connectors have no protection against over voltage or reversed connections. Application of the wrong voltage can result in immediate damage to the board and possibly other components in the system.

SYSTEM REQUIREMENTS

Tablet:	Please refer to the tested tablet list that can be found at www.lavalink.com	
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, including power banks.	
Ports/Connectors:	1 x USB A port (for USB 2.0 accessories) 1 x Micro USB B port (for Tablet connection) 1 x Micro USB B port (the 5V power input)	1 x Charge State LED
Cables:	1 x Micro USB B to Micro USB B cable (8"/20 cm) Note: The custom 8"/20cm cable connects the device to the tablet. This cable may not be extended.	
Measurements:	Depth: 1.69 inches (42 mm) Width: 1.26 inches (32 mm)	Height: 0.44 inches (15 mm) Weight: n/a