nSTS-E QUICK START

SIMULCHARGE™ ETHERNET ADAPTER WITH DOCKING DETECT FOR SAMSUNG TABLETS

The LAVA nSTS-E 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.

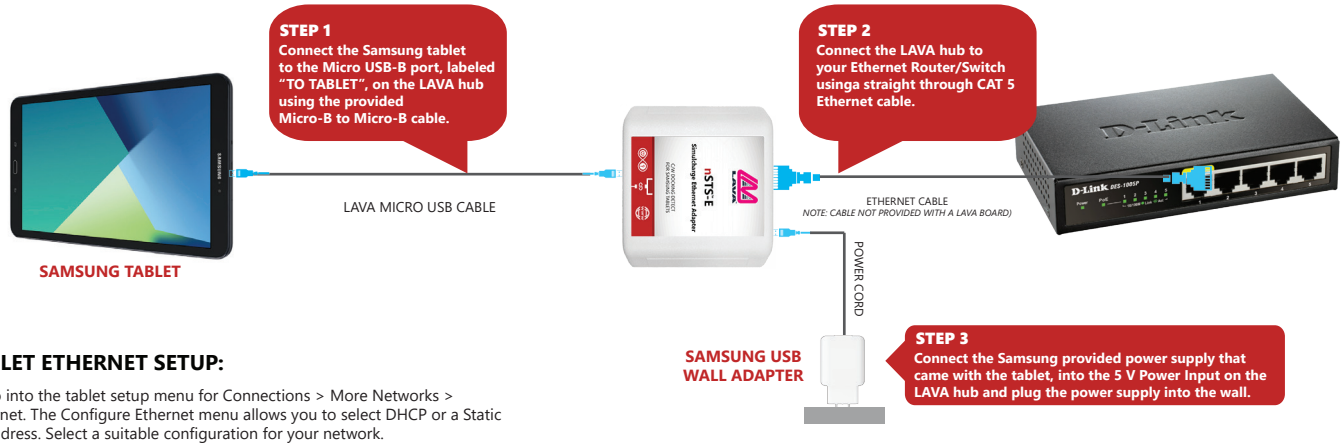
Simulcharge mode allows select Samsung Tablets to work with USB accessories while power is being supplied to the tablet.

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.

AVAILABLE WITH AN OPTIONAL BUILT-IN VOLTAGE CONVERTER
Allows an external 9 V up to 24 V DC power supply to be placed up to 50 feet away from 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-E SAMPLE CONNECTION DIAGRAM



TABLET ETHERNET SETUP:

1) Go into the tablet setup menu for Connections > More Networks > Ethernet. The Configure Ethernet menu allows you to select DHCP or a Static IP Address. Select a suitable configuration for your network.

2) In the tablet More networks > Ethernet menu press the box for Ethernet to turn Ethernet on.

NOTE: *The Ethernet label and box go grey while the tablet attempts to make a network connection. When the Ethernet interface is ready, a check mark will appear in the select box. If a DHCP lookup fails, the check box eventually is restored from grey to black with no check mark. If DHCP does not succeed within the tablet timeout period, the tablet will make no further attempts until you press the select box again.*

POWER SUPPLY

SAMSUNG USB WALL ADAPTER

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.

OPTIONAL WITH nSTS-vcE WITH BULIT-IN VOLTAGE CONVERTER: AC/DC POWER SUPPLY

The board and tablet can be used with a built-in voltage converter (nSTS-vcE) powered through the Barrel jack (2.0 mm) DC power input using AC/DC wall adapter. This allows for an external 9 V up to 24 V power supply to be located up to 50 feet away from the tablet. Application of the wrong voltage can result in immediate damage to the board and possibly other components in the system.

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 HAS BEEN APPLIED TO THE nSTS ADAPTER	Even pattern of "on" and "off"
TABLET HAS BEEN CONNECTED/DOCKED	Rapid "on" and "off"pattern
SIMULCHARGE MODE	Continuous "on"
TABLET HAS BEEN DISCONNECTED	Rapid "on" and "off"pattern
NO POWER APPLIED TO THE ADAPTER	Off

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. When using the optional Barrel Jack, an unregulated 12V up to 24V DC power supply is recommended.	
Ports/Connectors:	1 x RJ45 10/100 Ethernet port (LAN) 1 x Micro USB B port (for Tablet connection) 1 x Micro USB B port (the 5V power input) **OPTIONAL:** 1 X Barrel (2 mm) DC Output Connector (Centre Pin Positive)	1 x Charge State LED 1 x Ethernet Link indicator LED 1 x Tablet USB indicator LED
Cables:	1 x Micro USB B to Micro USB B cable (3.3ft / 1m)	
Measurements:	Depth: 3.3 inches (83 mm) Width: 3.8 inches (97 mm)	Height: 1.7 inches (44 mm) – with standoffs Weight: 3.85 oz (109 g)

+ 1.416.674.5942 sales@lavalink.com www.lavalink.com