nSTS-P2UE

SIMULCHARGE™ PoE / 2 x USB / ETHERNET ADAPTER WITH DOCKING DETECT FOR SAMSUNG TABLETS

PRODUCT DETAILS

The nSTS-P2UE is an adapter for Samsung tablets* that features Power over Ethernet (Class 0) support, wired Ethernet connectivity, Simulcharge technology that lets tablets charge and at the same time support USB peripherals, and the newest LAVA development adds Docking Detect for automatic tablet and LAVA board connection. This adapter includes two USB 2.0 (Type-A) ports for connecting two additional USB peripherals.

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.

SimulCharge™

The nSTS-P2UE operates a tablet in SimulCharge mode. This technology allows the charging of the selected Samsung tablets while interacting with USB accessories.

Docking Detect

The Docking Detect feature ensures that when the adapter is plugged into the tablet, the tablet recognizes that the adapter is present. This feature is a re-imagined form of Plug-n-Play; when the tablet solution, the tablet along with the adapter, is plugged into or out of power, the tablet will know.

Wired Ethernet Network

The nSTS-P2UE features a 10/100 Fast Ethernet interface that enhances the reliability and security of the internet connection. The Samsung tablet can use the dynamic address (DHCP) or static address for the network communication.

Power over Ethernet

Power over Ethernet (PoE) allows network data and electrical power to be carried over an Ethernet cable, eliminating the need for an electrician to install a dedicated power drop. PoE allows the Samsung tablet and nSTS-P2UE to be placed up to 328 feet (100 meters) from its power source.

USB Peripherals Integration

LAVA adapters allow a Samsung tablet to be integrated into a kiosk installation with multiple USB devices such as magnetic card readers, NFC readers, printers, barcode scanners, keyboard, and other USB-enabled peripherals.

PRODUCT FEATURES

- Simultaneous USB host and charging for selected Samsung tablets
- Docking detect for a tablet connection
- Designed for commercial use with Samsung tablets (see compatibility list of supported devices)
- Works with out-of-the-box (unrooted) tablets
- Power over Ethernet (Class 0)

- Prevents power drain from the tablet to USB peripherals in the event of power loss
- Wired networking (10/100 Ethernet) support
- 2 x USB-A (USB 2.0) ports
- Adapter enclosure included
- LAVA Limited Warranty

SYSTEM REQUIREMENTS

Tablet:	Please refer to the tested tablet list that can be found at www.lavalink.com	
Power Supply:	RJ-45 PoE connector (Ethernet LAN and power). The Aux. 5V Input optional for a testing purpose (no PoE is applied)	
Ports/Connectors:	1 x RJ45 10/100 Ethernet port (PoE/LAN) 1 x Micro USB B port (for Tablet connection) 1 x Micro USB B port (aux. 5V power input) 2 x USB 2.0 ports for connecting peripherals	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: 4.1 oz

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.