

Entry-Level SimulCharge™ Adapters for Select USB-C Mobile Devices

LAVA's nSynC product family is an Enterprise line of adapters that provide compatible USB-C mobile devices with simultaneous charging and access to data (SimulCharge™) and Docking Detect technology for a consistent connection between the adapter and mobile device.

TECHNOLOGY HIGHLIGHTS

- **SimulCharge:** provides a mobile device with simultaneous charging and access to data.
- **Docking Detect:** ensures the "greeting" protocols between the SimulCharge™ adapter and mobile device are executed correctly and consistently every time they are connected. This allows the adapter to be a plug-and-play technology that ensures the mobile device always operates in USB Host mode.

PoE Adapters

Power over Ethernet provides up to 10.4 watts of power and wired network connectivity over the same Ethernet cable. LAVA's PoE SimulCharge™ adapters can be installed up to 328 feet (100 meters) away from the power source. You don't need to hire an electrician as the installation does not involve electrical cables going into an AC power source. If no PoE-capable network switch, you can invest in a third-party PoE injector which can turn a regular LAN connection from a modem or router into PoE.



nSynC-P2UE

SimulCharge™, PoE, Ethernet, 2 x USB Adapter for USB-C Devices

- Power over Ethernet (Class 0)
- 2 USB-A ports for peripherals
- Wired Networking (10/100) Ethernet support
- Allow for installation up to 328 ft (100 m) from power source



nSynC-PE

SimulCharge™, PoE, Ethernet Adapter for USB-C Devices

- Power over Ethernet (Class 0)
- Wired Networking (10/100) Ethernet support
- Allows for installation up to 328 ft (100 m) from power source

Voltage Converter Adapters

Voltage converter units allow the adapter to be placed up to 50 feet (15 meters) away from the AC power source. The adapter features a Barrel Jack port for a DC power supply. The built-in voltage converter allows the adapter to receive an input voltage between 9 and 36 volts and steps it down to a device-friendly 5 volts for use with the mobile device. They are ideal for automotive or battery-based applications. The low DC voltage also allows these adapters to operate in permanent and semi-permanent installations while being fully compliant with local electrical codes. This eliminates the expense of hiring an electrician and the requirement of dedicated AC cable routing and installation.



nSynC-vc2UE

SimulCharge™, Voltage Converter, Ethernet, 2 x USB Adapter for USB-C Devices

- Takes 9-36V DC power supply with barrel jack connector
- 2 USB-A ports for peripherals
- Wired Networking (10/100) Ethernet support
- Allows for installation up to 50 ft (15 m) from power source



nSynC-vcE

SimulCharge™, Voltage Converter, Ethernet Adapter for USB-C Devices

- Takes 9-36V DC power supply with barrel jack connector
- Wired Networking (10/100) Ethernet support
- Allows for installation up to 50 ft (15 m) from power source



nSynC-vc3U

SimulCharge™, Voltage Converter, 3 x USB Adapter for USB-C Devices

- Takes 9-36V DC power supply with barrel jack connector
- 3 USB-A ports for peripherals
- Allows for installation up to 50 ft (15 m) from power source



nSynC-vc1U

SimulCharge™, Voltage Converter, 1 x USB Adapter for USB-C Devices

- Takes 9-36V DC power supply with barrel jack connector
- 1 USB-A port for peripheral
- Allows for installation up to 50 ft (15 m) from power source

5-Volt DC Adapters

Units with a 5-volt power input allow the mobile device to be up to 6 feet (2 meters) away from the power supply. This is the standard power option for mobile devices. Any regulated 5-volt, 2-amp (DCP-capable) power supply can be used. Though, it is recommended you use the charger that came with the mobile device.



nSynC-2UE

SimulCharge™, Ethernet, 2 x USB Adapter for USB-C Devices

- 5-volt DC power (use mobile device's charging cable)
- 2 USB-A ports for peripherals
- Wired Networking (10/100) Ethernet support



nSynC-E

SimulCharge™, Ethernet Adapter for USB-C Devices

- 5-volt DC power (use mobile device's charging cable)
- Wired Networking (10/100) Ethernet support



nSynC-3U

SimulCharge™, 3 x USB Adapter for USB-C Devices

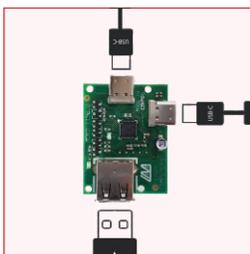
- 5-volt DC power (use mobile device's charging cable)
- 3 USB-A ports for peripherals



nSynC-1U

SimulCharge™, 1 x USB Adapter for USB-C Devices

- 5-volt DC power (use mobile device's charging cable)
- 1 USB-A port for peripheral



nSynC-1U-OEM

SimulCharge™, 1 x Board-Only USB Adapter USB-C Devices

- 5-volt DC power (use mobile device's charging cable)
- 1 USB-A port for peripheral
- Compact (can be incorporated directly into system)

Comparison Chart

Check out our comparison chart to see what nSynC product is right for you. LAVA SimulCharge™ adapters come in various configurations, including Ethernet and multiple USB-A ports for peripherals. They are also available in three different power options: Power over Ethernet (PoE), Voltage Converter power and the standard 5V DC power.

Adapter	PoE	Ethernet	USB-A Ports	Voltage Converter	5-Volt DC Charging
nSynC-P2UE	●	●	● 2x		● AUX
nSynC-PE	●	●			● AUX
nSynC-vc2UE		●	● 2x	●	
nSynC-vcE		●		●	
nSynC-vc3U			● 3x	●	● AUX
nSynC-vc1U			● 1x	●	● AUX
nSynC-2UE		●	● 2x		●
nSynC-E		●			●
nSynC-3U			● 3x		●
nSynC-1U			● 1x		●
nSynC-1U-OEM			● 1x		●