

## Top-tier SimulCharge™ adapters for select USB-C mobile devices

LAVA's eSynC product family is an Enterprise line of adapters that provide compatible USB-C mobile devices with simultaneous charging and access to data (SimulCharge™) and Network Recovery & Battery Modulation (RBM) technology to protect the mobile device and allow for 24/7 operation.

### TECHNOLOGY HIGHLIGHTS

- **SimulCharge:** provides a mobile device with simultaneous charging and access to data.
- **RBM:** gives you additional years of use out of your mobile device and allow it to operate safely in a 24/7 environment. RBM includes:
  - Battery Modulation prevents a mobile device from overcharging and its battery from bloating, extending its lifespan.
  - Network Recovery provides Ethernet adapters the ability to recover a wired network connection if it unexpectedly drops out.

## 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.



### eSynC-P2UE

SimulCharge™, PoE, Ethernet, 2 x USB Adapter with RBM Technology for USB-C Mobile 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



### eSynC-PE

SimulCharge™, PoE, Ethernet Adapter with RBM 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.



### eSynC-vc5UE

SimulCharge™, Voltage Converter, Ethernet, 5 x USB Adapter with RBM for USB-C Devices

- Takes 9-36V DC power supply with barrel jack connector
- 5 USB-A ports for peripherals
- Wired Networking (10/100) Ethernet support



### eSynC-vc2UE

SimulCharge™, Voltage Converter, Ethernet, 2 x USB Adapter with RBM 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



### eSynC-vcE

#### SimulCharge™, Voltage Converter, Ethernet Adapter with RBM 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



### eSynC-vc3U

#### SimulCharge™, Voltage Converter, 3 x USB Adapter with RBM 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



### eSynC-vc1U

#### SimulCharge™, Voltage Converter, 1 x USB Adapter with RBM 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.



### eSynC-2UE

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

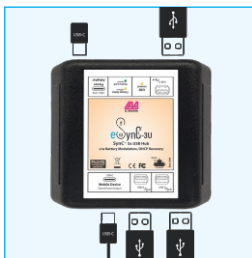
- 5-volt DC power (use mobile device's charging cable)
- 2 USB-A ports for peripherals
- Wired Networking (10/100) Ethernet support



### eSynC-E

#### SimulCharge™, Ethernet Adapter with RBM Technology for USB-C Devices

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



### eSynC-3U

#### SimulCharge™, 3 x USB Adapter with RBM Technology for USB-C Devices

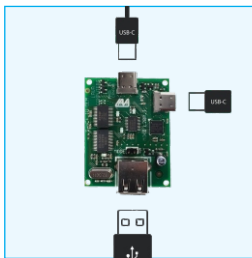
- 5-volt DC power (use mobile device's charging cable)
- 3 USB-A ports for peripherals



### eSynC-1U

#### SimulCharge™, 1 x USB Adapter with RBM Technology for USB-C Devices

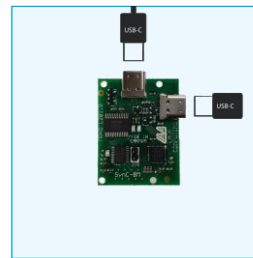
- 5-volt DC power (use mobile device's charging cable)
- 1 USB-A port for peripheral



### eSynC-1U-OEM

#### SimulCharge™, 1 x Board-Only USB Adapter with RBM Technology for 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)



### eSynC-BM-OEM

#### Board-Only Battery Modulation Adapter for USB-C Devices

- 5-volt DC power (use mobile device's charging cable)
- Battery Modulation adapter
- Compact (can be incorporated directly into system)

## Comparison Chart

Check out our comparison chart to see what eSynC 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
eSynC-P2UE	●	●	● 2x		● AUX
eSynC-PE	●	●			● AUX
eSynC-vc5UE		●	● 5x	●	
eSynC-vc2UE		●	● 2x	●	
eSynC-vcE		●		●	
eSynC-vc3U			● 3x	●	● AUX
eSynC-vc1U			● 1x	●	● AUX
eSynC-2UE		●	● 2x		●
eSynC-E		●			●
eSynC-3U			● 3x		●
eSynC-1U			● 1x		●
eSynC-1U-OEM			● 1x		●
eSynC-BM-OEM					●