

# nSynC-vc1U *Product/Green Sheet*

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

The nSynC-vc1U is a SimulCharge™ adapter designed for use with select USB-C mobile devices. It features simultaneous charging and access to data, a built-in voltage converter, one USB-A port for connecting a USB peripheral and Docking Detect.

The nSynC-vc1U's on-board DC-DC voltage converter can take a power input of between 9 and 36 volts\* and steps it down to the 5 volts required by most mobile devices\*\*. The adapter can be used to supply power in permanent and semi-permanent installations (adhering to local electrical codes) with minimal installation cost. This eliminates the requirement for a licensed electrician to install and run a dedicated AC power line.

The adapter can also be installed up to 50 ft (15 m) from the AC power source. This means it can be installed in locations with limited electrical outlets and provides greater options for mobile device placement.

The nSynC-vc1U's USB-A port allows you to connect a peripheral, such as a scanner, printer or card reader. It is ideal for running mobile-based staff time clocks, check-in kiosks or automotive applications.

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 (SimulCharge™).

The adapter comes in a black ABS casing that protects the electronics from mild shocks and impacts, allowing it to be used in different implementations. It does not ship with the USB-C to USB-C cable required to connect the adapter to the mobile device. This cable can be purchased separately from LAVA or a third-party supplier.



*\*The 9-36V DC power supply is not included with the adapter and must be purchased separately.*

*\*\*The mobile device can also be powered through the adapter's USB-C port, which is rated for the standard 5 volts at 2 amps. It is recommended to use the charging cable that came with the tablet. A separate power supply is not included.*