K-SynC PE *Product/Green Sheet*

Ad-Hoc SimulCharge Adapter for Mobile Devices

The K-SynC PE provides an ad hoc SimulCharge Mode for USB-C mobile devices that are incompatible with LAVA's standard COTS adapters. SimulCharge provides simultaneous charging and access to data but requires that the USB-C PD specification be implemented on the tablet to work with USB-C tablets. In contrast, the PE charges and provides access to data in intervals, making the adapter compatible with any USB-C mobile device capable of OTG.

The adapter comes with Power over Ethernet (PoE) and 10/100-capable Ethernet. Its PCB needs to be wired to an external control box or button, which can send a signal to the adapter. The K-SynC E's PCB needs to be wired to an external control box or button, which can send a signal to the adapter. When the signal is turned on, the mobile device goes into OTG mode, where it can access the network via a reliable wired connection. When the signal stops, the mobile device will switch into a charge-only mode (default) to recharge the battery. This makes the adapter ideal for retail and other commercial implementations where the mobile device would need to charge and receive updates off hours.

With PoE, the adapter can also be powered through the Ethernet port. No separate electrical cable is required for setup. The adapter can also be installed up to 328 ft (100 m) from the network switch, providing more freedom for tablet placement.

*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.

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