SHERPA

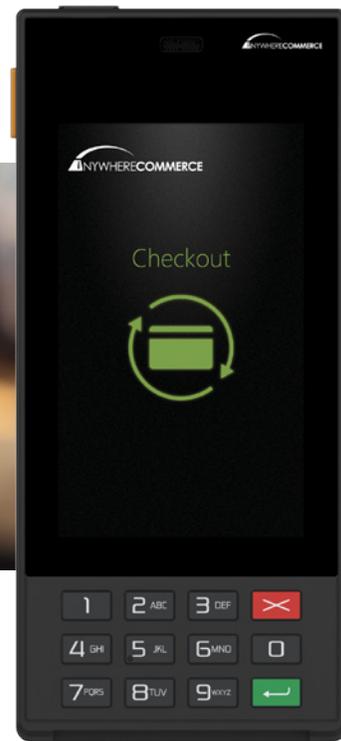### All-in-One Android-based mPOS Device

Sherpa is a full-featured mobile device that runs on the Android platform, with enough power to securely support mPOS applications and integrated payments. It supports chip & PIN, chip & signature, magnetic stripe and contactless payment technologies.

Sherpa is not a one-dimensional PIN pad. It has plenty of memory to run a mobile storefront and features an optional barcode scanner to improve the checkout experience. The integrated camera can be used to upload product images to the POS application. Wi-Fi and Bluetooth technology allow it to communicate with POS systems, printers and peripherals. Support for 3G wireless allows merchants to ring up sales and support payments from anywhere.

Sherpa is the ideal solution for a variety of industry segments and acceptance environments. It can be used as a stand-alone, all-in-one mobile POS, or as an integrated peripheral for line busting, pay-at-the table, curbside pickup and other roaming payments.

Robust security and proven PTS-P2PE compliant SRED technology combine to protect cardholder data, ensuring that account information is never stored in the device.

Easy-to-use APIs and SDKs facilitate quick integration of payments. Firmware and parameter changes are accomplished via over-the-air capabilities, ensuring that the device is always up to date.

Features at a Glance:

Accept All Card Types
Enables merchants to accept EMV chip & signature, EMV chip & PIN and magnetic stripe payments, including all types of digital wallets and contactless payments.

Android-based Platform
Android operating system allows developers to take advantage of a well-known operating system to facilitate rapid application development, integration and deployment.

Robust Security
Secure Reading and Exchange of Data (SRED) facilitates reduced PCI scope from the earliest point in the transaction lifecycle when part of a PCI-validated P2PE solution.

Camera & Barcode Scanner
Built-in camera and optional barcode scanner bring efficiencies to POS functions including adding/tracking inventory, ringing up sales, and supporting loyalty program features.

Remote Support
Software and key updates can be supported via secure remote over-the-air communications, ensuring the device is always current.

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Sherpa Product Specifications

Functions	EMV chip card reader *(ISO7816 compliant class A, B, C card)* Triple track magnetic stripe card reader NFC card reader *(EMV contactless, ISO 14443A/B)* High speed 1D barcode scanner (optional) Secure PIN pad Over-the-air firmware update Over-the-air cryptographic-key loading
Display	4" full color TFT display, cap sense touch panel
Operation System	Android 4.4.2. Will be updated to 6.0 early Q2 2017
Processor	Dual-core 1GHz MTK6572AW
Memory & Storage	512MB RAM, 4GB ROM, Micro SD (external memory support)
Camera	5MP main camera with LED ash
Buttons	10 numerical buttons, enter button, cancel button, power on/o button, volume +/− button, barcode scan button
Communication Interface	Bluetooth® 4.0, Micro USB, WiFi, GPRS/3G
Power & Battery	Lithium polymer rechargeable battery 3000mAh, 3.7V
Connectivity	Dual mini SAM card, dual Micro SIM card

Charging	Via Micro USB or charging contacts
Key Management	DUKPT, MK/SK
Encryption Algorithm	TDES
Swipe Speed	15cm - 100cm/sec
Network	3G WCDMA 900/2100MHz, 2G GPRS EDGE Class 12 850/900/1800/1900MHz
Battery Life	Talk time: up to 15 hrs (2G), 16 hrs (3G), *Standby time: up to 225 hrs* Above 500 EMV transactions, or above 1000 magnetic card swipe transactions, or above 400 EMV contactless transactions
Certifications	**Security & EMV** EMV L1 & L2 EMV Contactless L1 PCI PTS POI v4.1 with SRED **MPOS** Visa Ready, MasterCard MPOS **Contactless** MasterCard, Visa, Amex, Discover **Quality/Regulatory** MasterCard TQM, FCC, CE, RoHS
Dimensions	70.5 x 155 x 17.8mm / 2.78 x 6.1 x 0.7inch (approx.)
Weight	240g / 8.1oz (approx.)

Elevate your mobile POS and payment experience.

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