Smart POS /
Android All-In-One Payment

SP500

Seamless Payment with Rich Interactivity

Ultimate Performance Featuring Android **6**.x

SP500 is a powerful payment terminal equipped with Android 6.x and can be used for various 3rd party applications, saving time and money. It also ensures high throughput and security with Quad-core and security processors.

All-in-one mobile POS

SP500 is an all-in-one mobile POS terminal with a built-in 2-inch receipt printer. It supports all payment types, including magnetic stripe cards, smart cards, and contactless payments such as Apple Pay, MasterCard PayPass, and VISA payWave.

Exceptional Connectivity

With support for 4G LTE, 3G, 2G, Wi-Fi and Bluetooth, SP500 enables enterprises to stay connected with their workers in real-time, enjoy continuous reliable operation and seamless payment processing on the move.

Stringent Security

SP500 is protected by top-of-the-line StoneWall™ Security that uses end-to-end encryption and is PCI PTS 5.x PED approved and EMV level 1 and 2 certified-ensuring that card data is always protected.

All Day Power

18.87Wh (7.26V 2600mAh) High-capacity battery delivers the longest working hours and seamless payment.

reddot winner 2019

Key Features

- Android 6.x
- PCI PTS 5.x / EMV Level 1&2 compliant
- Quad Core CPU + Security Processor
- LTE / 3G / 2G / Wi-Fi / Bluetooth / GPS
- MSR / Smart Card / Contactless
- 2” Thermal Printer
- 1D/2D Imager (LED Aimer)
- 5MP Camera (Optional)
- Optical Biometrics Scanner (Optional)
- Battery : 18.87Wh (7.26V 2600mAh)

Specification

PERFORMANCE CHARACTERISTICS

CPU	Qualcomm Snapdragon™ 210 quad-core, 1.1 GHz and Security Processor
Operating System	Android 8.x
Memory	2/16GB

PHYSICAL CHARACTERISTICS

Dimensions (L x W x D)	179.5mm x 82.7mm x 63.9mm 7.07 in. x 3.26 in. x 2.52 in.
Weight	15.87 oz. / 450 g
Display	5.0'' 1280 x 720 pixels; 350 nits
Touchpanel	Capacitive multi-touch, Stylus
Backlight	LED backlight
Max Brightness	350 Nit
Power	7.26V 2600mAh (18.87Wh)
Expansion Slot	1 Micro SD Card, supports up to 32 GB
SIM / SAM	Default : 1 SIM / 2 SAM 0 SIM / 2 SAM (WiFi only) Option : 2 SIM / 2 SAM
Interface	Micro-USB OTG 1 Docking Connector
Keypad	Virtual Keypad 2 Shortcuts, -Default Scanner Shortcut, User Defined 1 ON/OFF Key
Voice and Audio	1 Speaker 1 Microphone (Optional-TBD)

WIRELESS WAN DATA AND VOICE COMMUNICATIONS

Radio Frequency Band	(Optional-Available) < EMEA/Korea > LTEFDD:B1/B3/B5/B7/B8/B20 LTETDD:B38/B40/B41 WCDMA : B1/B5/B8 GSM : 850/900/1800/1900MHz < China/India > LTE FDD : B1/B3/B8 LTE TDD : B38/B39/B40/B41 TDSCDMA : B34/B39 EVDO/CDMA : BC0 WCDMA : B1/B8 GSM: 900/1800MHz < Japan > LTE FDD : B1/B3/B8/B18/B19/B26 LTE TDD : B41 WCDMA : B1/B6/B19 < North America > LTEFDD:B2/B4/B5/B7/B12/B13/B25/B26 WCDMA:B1/B2/B4/B5/B8 GSM: 850/1900MHz <South America> LTE FDD : B1/B3/B5/B7/B8/B28 LTE TDD : B40 WCDMA : B1/B2/B5/B8 GSM : 850/900/1800/1900MHz
GPS	(Optional - Only WWAN) Built-in GPS support A-GPS , GLONASS, BEIDOU

WIRELESS LAN

Radio	802.11 b/g/n 802.11 a/b/g/n (Optional)

WIRELESS PAN

Bluetooth	Bluetooth 4.1 BLE , Class 1

WIRED LAN

Dial-Up Modem	w/ Docking-station
Ethernet	w/ Docking-station

DATA CAPTURE

Scanning	5 Mp Auto Zoom Rear Camera -Can Read 1D & 2D Barcodes
Camera (Operational)	5MP with flash, auto focus rear camera
NFC	Support

PAYMENT

MSR	Track 1/2/3, Bi-Directional
Contact	ISO 7816, EMV LEVEL 1 & 2
Contactless (Optional)	13.56MHz, ISO 14443, Type A&B, Felica, Mifare, EMV LEVEL 1&2 compliant
Security	PCI PTS 5.x PED

PRINTER

Speed	Max 100 mm/second
Size	58 mm width x Ø 40 mm

USER ENVIRONMENT

Operating Temp	-10° to 50° C (14° to 122° F)
Storage Temp	-20° to 70°C (-4° to 158° F)
Humidity	5% ~ 95% Relative Humidity, Non-Condensing
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge

* Specification subject to change without notice

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