

Smart POS / Android All-In-One Payment

SP500

Seamless Payment with Rich Interactivity



reddot winner 2019

- **Ultimate Performance Featuring the Latest 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 4.x approved and EMV level 1 and 2 certified-ensuring that card data is always protected.
- **All Day Power**
20.88Wh (7.2V x 2900mAh) High-capacity battery delivers the longest working hours and seamless payment.



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 Barcode Scanner (Optional)
- 5MP Camera (Optional)
- Optical Biometrics Scanner (Optional)
- Battery : 20.88Wh (7.2V x 2900mAh)

Specification

PERFORMANCE CHARACTERISTICS	
CPU	ARM Cortex A7 1.1GHz Quad Core and Security Processor
Operating System	Android 6.x
Memory	1GB RAM, 8GB Flash
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" 1280x720 pixels
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 > LTE FDD : B1/B3/B5/B7/B8/B20 LTE TDD : 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 > LTE FDD : 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 (Optional)	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