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Pegasus AC5714

Mobile Smart POS Terminal

Faster Response & More Flexible use



Overview :

Pegasus AC5714 serial products extend Handheld-Wireless product serials into Android OS 7.0 with 4G high speed network communication. Inside the compact handheld device, sealing level of IP65 water/dust proof, 1.5m/4.5ft drop survival, ergonomic design, over-molding structure, quick- charging technology, and 4.7 inch.



Android



NFC



4G Network



Bluetooth



WiFi

Features:

- **Extremely Stable Performance**

Android 7.0 OS with memory of 2GB RAM/16GB ROM can provide the highly standard experience

- **High Speed Data Communication**

Double insurance of 4G high Speed network and dual-frequency WIFI network can ensure the real-time data communication in different using environment;

- **Rugged Ergonomic and Over-molding Design**

Over-molding and ergonomic hardware design can satisfy most of the tough environment from different fields.

- **Extremely Stable Hardware Display**

4.7 inch Gorilla Glass 3 9H screen can ensure the performance under different tough environment.

Industries

Cafeteria



Super Market



Café



Ice Cream Parlour



Outside Catering



Fast Food Shop



Hair Salon





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Specification Sheet

Industries

Payment Collection



Van Sales



Retail Shop



Bus Ticketing



Parking Solution



Book Store



Bakery



PHYSICAL CHARACTERISTICS

Dimension	162mm(H)x78mm(W)x22mm(D)±2 mm
Weight	Net Weight :350g (including battery & wrist strap)
Display	Gorilla Glass 3 9H 4.7 in. TFT -LCD(720x1280)touch screen with backlight
Backlight	LED backlight
Keypads	3 TP keys, 5 function keys, 4 side buttons
Expansions	2 PSAM, 1 SIM, 1 TF
Battery	Rechargeable Li-ion polymer, 3.8V, 4750mAh

PERFORMANCE CHARACTERISTICS

CPU	Quad A53 1.3GHz quad-core
Operating System	Android 7.0
Storage	2GB RAM, 16GB ROM, MicroSD (max 128GB expansion)

USER ENVIRONMENT

Operating Temp.	-20°C to 50°C
Storage Temp.	-20°C to 70°C
Humidity	5%RH to 95%RH(non-condensing)
Drop Specifications	5ft./1.5 m drop to concrete across the operating temperature range
Sealing	IP65, IEC compliance
ESD	±15kv air discharge, ±8kv direct discharge

DEVELOPMENT ENVIRONMENT

SDK	HHW Software Development Kit
Language	Java
Environment	Android Studio or Eclipse

DATA COMMUNICATION

WWAN	TDD-LTE Band 38, 39, 40, 41; FDD -LTE Band 1, 2, 3, 4, 7, 17, 20; WCDMA(850/1900/2100MHz) , GSM/GPRS/Edge (850/900/1800/1900MHz);
WLAN	2.4GHz/5.8GHz Dual Frequency, IEEE 802.11 a/b/g/n
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0
GPS	GPS(embedded A-GPS), accuracy of 5 m

1D Barcode (Optional)

1D Laser engine	Honeywell N4313
Symbologies	All major 1D barcodes

2D Barcode

2D CMOS Imager	Newland EM3296 or EM3396
Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QRcode, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. etc..

COLOR CAMERA

Resolution	8.0 megapixel
Lens	Auto-focus with LED flash

RFID LF (Optional)

Frequency	125KHz/134.2KHz(FDX-B/HDX)
Protocol	ISO 11784&11785
R/W Range	2cm to 10 cm

RFID HF/NFC

Frequency	13.56MHz
Protocol	ISO 14443A&15693
R/W Range	2cm to 8cm

RFID UHF

Frequency	865~868MHz or 920~925MHz
Protocol	EPC C1 GEN2/ISO 18000-6C
Antenna Gain	Circular antenna(2dBi)
R/W Range	1.5 m to 2 m(tags and environment dependent)

PSAM SECURITY (OPTIONAL)

Protocol	ISO 7816
Baudrate	9600, 19200, 38400, 43000, 56000, 57600, 115200
Slot	2 slots (maximum)