

Overview

Pegasus AC5712 products extend Handheld-Wireless product series into Android OS 5.1.1 with 4G high speed network communication with pistol grip. 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, large built-in Battery of 8000 mAh, and 5.0 inch tough Gorilla Glass 3 9H screen are all equipped to ensure performance. Latest 1.3GHz quad-core processor 2GB RAM/16GB ROM and up to 32GB expansion are all designed to boost up experience level.



WiFi



Finger Print
Sensor



Bluetooth



RFID

Features

Extremely Stable Performance

Android 5.1.1 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 net work can ensure the real-time data communication in different using environment;

Rugged Ergonomic, Over-molding Design with Extremely Stable Hardware Display

Over-molding, ergonomic hardware design and 5.0 inch tough Gorilla Glass 3 9H can satisfy most of the tough environment from different fields;

High Efficiency Operating Style

Mounted pistol grip with built-in battery of 8000mAh can ensure the high efficiency in outdoors environments.

High Accuracy and Long Reading Distance

Optional Thing Magic/R2000UHF Reader can guarantee the high reading accuracy and long reading distance.

Highly Customized Structure

'All-in-One' hardware design conception can expand the hardware modules integration based on different project requirements, especially like UHF+HF, UHF+LF; HF+LF; Quick-Charging

PHYSICAL CHARACTERISTICS		
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm	
Weight	Net Weight :370g (including battery & wrist strap)	
Display	Gorilla Glass 3 9H 5.0 inch TFT-LCD(720x1280)touch screen with backlight	
Backlight	LED backlight	
Keypads	3 TP keys, 6 function keys, 4 side buttons	
Expansions	2 PSAM, 1 SIM, 1 TF	
Battery	Rechargeable li-ion polymer, 3.7V, 4500 mAh	
PERFORMANCE CHARACTERISTICS		
CPU	A53 1.3GHz quad-core	
Operating System	Android 5.1	
Storage	2GB RAM+16GB ROM Micro SD (max 32GB expansion)	
USER ENVIRONMENT		
Operating Temp	-20° to 50°	
Storage Temp	-20° to 70°	
Humidity	5%RH to 95%RH (non-condensing)	
Drop Specifications	5ft./1.5 m drop to concrete across the operating temp 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	4G: TDD-LTE Band B38 B39 B40 FDD-LTE Band B1 B3 B7 3G: WCDMA 850/1900/2100MHz, 2G: GSM 850/900/1800/1900MHz	
WLAN	2.4GHz/5.8GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac	
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0	
GPS	GPS (embedded A-GPS), accuracy of 5 m	
DATA CAPTURE BARCODE READER (OPTIONAL)		
1D Barcode	1D laser engine	Honeywell N431x or Symbol SE955
	Symbologies	All major 1D Barcodes
2D Barcode	2D CMOS Imager	Honeywell N6603
	Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. etc.

Retail

Warehousing

Government

COLOR CAMERA		
Resolution	8.0 megapixel	
Lens	Auto-focus with LED flash	
RFID READER(OPTIONAL)		
RFID LF	Frequency	125KHz/134.2KHz(FDX-B/HDX)
	Protocol	ISO 11784&11785
	R/W Range	2cm to 10 cm
RFID HF	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 m to 1.5 m (tags and environment dependent)
Active 2.45GHz	Read range more than 200 m	
433MHz	Read range more than 200 m	
ZigBee READER (OPTIONAL)		
Protocol	IEEE 802.15.4	
Reading Range	100 m to 200 m	
FINGER PRINT READER (OPTIONAL)		
Sensor	TCS1ST	
Sensor Type	Capacitive, area sensor	
Resolution	508 DPI	
Performance	FRR<0.008%, FAR<0.005%	
Capacity	1000	
PSAM SECURITY (OPTIONAL)		
Protocol	ISO 7816	
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200	
Slot	2 slots (maximum)	
ACCESSORIES		
Standard	1xPower Supply; 1xLithium Polymer Battery; 1xDC charging cable; 1xUSB data cable	
Optional	Cradle	

Medication

Logistics

Library

