

Android Mobile Computer With Pistol Grip LP-006-G



Overview

LP-006-G is a fully rugged, highly capable, handheld RFID reader which offers best-in-class read range and super long battery life and is the best fully integrated all-in-one handheld terminal to deliver the ability to read Automatic Equipment Identification (AEI) RFID tags to the palm of the hand.

With unmatched versatility and a lightweight ergonomic form factor, it is designed for combination of 1D/2D scanner with LF/HF(NFC)/UHF module to provide the complete solutions for Automatic data acquisition, and widely applied for supply chain, manufacturing, and asset management etc.

Advanced innovative charging solutions on the market

LP-006-G provide the best solutions for all-in-one integration battery in the handheld reader industry. Due to most of the handheld readers available on the market are with separated battery design for the reader device and UHF module and without cradle, it usually cause power off, battery power often is empty while Gun trigger has extra battery, but it doesn't power the UHF module, users need to take down the battery to charge and re-install, it seriously affect the efficiency. Besides, the separated battery will fall back toward the inverse poles if charging both of them at the same time, it would greatly reduce the service life of batteries. The LP-006-G utilizing a special-designed all-in-one battery to charge the device with UHF module together, it reduces the charging time and make it more user friendly. In addition to, LP-006-G smart Android reader comes with a portable cradle, make it realize charging anywhere and anytime.

Key Features

Impinj R2000 chip and Original imported Thingmagic module option

Optional Impinj and ThingMagic UHF Reader can guarantee the high reading accuracy and long reading distance

Long Range Reading

Impinj R2000 UHF Reader reading range reach 5 m to 7 m, ThingMagic M6E Micro reach 6 m to 8 m

Support single and Multi-tag reading

At least 200pcs with Impinj and 600pcs with Thinmagic

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

All-in-one Integrated Battery Design

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

Portable Charging Cradle

Optional Charging Cradle is easy to carry, realize charging everywhere

Highly Customized Structure

'All-in-One' hardware design conception can expand the hardware modules integration based on different project requirements



1 D Code



QR Code



RFID



ID Card Recognition



Fingerprint Acquisition



4G



WiFi



Bluetooth



GPS



Camera

Technical Specifications

SPECIFICATIONS	
PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm
Weight	Net Weight :1000g (including battery)
Display	5.0 inch Gorilla Glass 3 9H 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, 8000mAh
PERFORMANCE CHARACTERISTICS	
CPU	Quad A53 1.5GHz quad-core
Operating System	Android 5.1.1
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 Specification	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	Handheld-Wireless 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/ac
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0



GPS	GPS(embedded A-GPS), accuracy of 5 m	
DATA CAPTUER		
BARCODE READER(OPTIONAL)		
1D barcode	1D laser engine	Symbol SE955/Honeywell N431X
	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, Japan Postal, Dutch Postal. etc.
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(3dBi)
	R/W Range	Default: 6 m to 7 m(tags and environment dependent) R2000 UHF Reader: 5 m to 7 m(tags and environment dependent) ThingMagic M6E Micro: 6m to 8 m(tags and environment dependent)
Active 2.45GHz	Read range more than 200 m	
433MHz	Read range more than 200 m	
FINGERPRINT READER(OPTIONAL)		
Sensor	TCS1CT	
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(Standard)
ACCESSORIES	
Standard	1xPower Supply; 1xLithium Polymer Battery; 1xDC charging cable; 1xUSB data cable
Optional	Carrying case; Cradle