

Android 7.0 UHF Handheld 4G RFID Reader/Barcode reader (LP-006)

Overview

Rugged and ready for all-day every day enterprise use

In order to work more efficiently and better serve your customers, the employees in your front line need enterprise class handheld computers to communicate and access information in real time – yet they want a device that is every bit as refined and easy-to-use as their own consumer devices. Now, you can give them both with the Pioneer LP-006. The LP-006 is the professional grade Android device built from the ground up for the enterprise. You get cutting edge technology, which turns Android into a true enterprise-class operating system plus our most advanced scan engine that delivers faster, more reliable and longer range data capture capability. The rugged design is ready for the most demanding business day. and the LP-006 can double as a walkie-talkie and a mobile desk phone. The LP-006 – Having the right device makes all the difference.



Key Features

Android system, Quad A53 1.5GHz quad-core, high-capacity storage space

With Android 7.0 OS, high-speed quad-core 1.5GHZ processor, 2GBRAM, 16GBROM
Can easily handle each task instructions and support multiple tasks to run smoothly
The best guarantee of a mobile information processing

High Speed Diversified of wireless data communication

2.4Ghz & 5Ghz dual-frequency WIFI
Supports IEEE802.11 a / b / g / n / ac, get rid of constraints under B / G mode channel for network bandwidth
Support for Bluetooth 4.0 with better performance, ensure the real-time data communication under different environment

Extremely Stable Hardware Display

Utilize the 3rd generation of Gorilla Glass 5.0 inch 720P high-definition touch screen
Resolution up to 1280 * 780, sun visible provide high-definition experience and ruggedness

High performance of RFID UHF / HF read and write functions

UHF read range $\geq 2.5M$, the farthest reading distance is up to 4M
Stable performance for high frequency read, and achieve HF / UHF dual frequency RFID reader functions on the same machine as per customer demand

Flexible Customized Structure

Various types of modules are available as per request, and part of tailor module assembly is welcome to meet the needs of different industries.
Accept secondary development of the system kernel and the upper layer application software according to customer demand
Carry functions of fingerprint, ID card reading function as demand, to meet requirements for all walks of life for personnel identification and documentation

Rugged Ergonomic and Over-molding Design, Quick-Charging

Over-molding and ergonomic hardware design satisfy most of the harsh environment from different fields
Quick-charging technology provide the most efficient experience

Technical Specifications

PHYSICAL CHARACTERISTICS

Model NO.	LP-006
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm
Weight	Net Weight :370g (including battery&wrist strap)
Display	Gorilla Glass 3 9H 5.0 in. TFT-LCD(720×1280)touch screen
	With backlight
Backlight	LED backlight
Keypads	3 TP keys, 6 function keys, 4 side buttons
Battery	4500mAh
Expansions	2 PSAM, 1 SIM, 1 TF

PERFORMANCE CHARACTERSTICS

CPU	Quad A53 1.5GHz quad-core
Operating System	Android 7.0
Storage	2GB RAM, 16GB ROM, MicroSD(max 32GB 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	LightPioneer Software Development Kit
Language	Java
Environment	Android Studio or Eclipse

DATA COMMUNICATION

WWAN	TDD-LTE Band 38, 39, 40, FDD-LTE Band 1, 2, 3, 4, 7;
	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 v2.1EDR, Bluetooth v3.0HS, Bluetooth v4.0
GPS	GPS(embedded A-GPS), accuracy of 5 m

DATA CAPTUEER BARCODE READER(OPTIONAL)

1D barcode	1D laser engine	Honeywell N4313
	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

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 902~928MHz

	Protocol	EPC C1 GEN2/ISO 18000-6C
	Antenna Gain	Circular antenna(2dBi)
	R/W Range	1 m to 1.5 m (tags and environment depended)
	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

FINGERPRINT 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
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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	Magnetic charging cable; Carrying case