



UHF RFID Reader



Android



4G



WiFi



Bluetooth



1D Barcode



2D Barcode



UHF



Fingerprint



Infra Red



PSAM



GPS

This device is an Android rugged mobile computer. It features powerful quad-core processor and fast wireless connections, as well as comprehensive data capture options, like the class-leading UHF capability. It performs perfectly well in retail, logistics, express delivery, warehousing, energy and chemical industry, etc.



Specification

Physical Characteristics

Dimensions	213mm x 87mm x 151mm/ 8.39 x 3.43 x 5.94in
Weight	721g/ 25.43oz
Display	4" WVGA (480*800), 16.7M colors
Touch Panel	Rugged capacitive touch panel
Power	Main battery: Li-ion, 3200mAh
	Pistol battery: Li-ion, 5200mAh
Expansion Slot	1 PSAM, 1 SIM, 1 MicroSD (TF) slot
Interfaces	USB Micro-B
Audio	0.5W speaker, build-in microphone
Keypad	Numeric / Qwerty
Sensors	Light sensor, proximity sensor

Performance

Option 1	CPU: Qualcomm 1.3 GHz quad-core RAM+ROM: 2GB+16GB
Option 2	CPU: Qualcomm 1 GHz quad-core RAM+ROM: 1GB+8GB
Expansion	Supports up to 128 GB Micro SD card

Developing Environment

Operating System	Android 5.1
SDK	Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40° F to 158° F / -40° C to 70° C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.2m/3.9ft drops to concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/1.64ft falls at room temperature
Sealing	Host IP64 per IEC sealing specifications

Communication

WLAN	IEEE802.11 a/b/g/n
WWAN(E)	2G: GPRS (900/1800MHz)
	3G: WCDMA B1 B8
	4G: FDD-LTE: B1 B3 B7 B8 B20
WWAN(N)	2G: GPRS (850/1900MHz)
	3G: WCDMA B1 B2 B5
	4G: FDD-LTE: B2 B4 B7 B17
WWAN(C)	2G: GPRS (850/900/1800MHz)
	3G: WCDMA: B1
	CDMA EVDD: EVDD Rev.A800MHz
	TD-SCDMA: B34, B39
	4G: TDD-LTE: B38 B39 B40 B41
	FDD-LTE: B1 B3
Bluetooth	Bluetooth 4.0
GNSS	GPS, AGPS

Barcode Scanning (Optional)

1D Linear Scanner	
1D Scan Engine	Honeywell N4313/ Zebra SE965
Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	
2D CMOS Laser Scanner	Zebra SE4500
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 (KIX), etc.

RFID (Optional)

UHF	
Engine	Based on Impinj Indy R2000
Frequency	865MHz-868MHz / 920-925MHz / 902-928MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (1.8dBi); circular polarization (4dBi)
Power	1W (30dBm, +5dBm to +30dBm adjustable) 2W Optional (33dBm, for Lati America, etc.)
R/W range	>25m (circular polarization, indoors); >10m (circular polarization, open outdoors); >21m (linear polarization, indoors); >7m (linear polarization, open outdoors);
Reading rate	>200 tags/s (circular polarization)

* Range and rate depend on tags and environment

Fingerprint (Optional)

Functions	Fingerprint enrollment, match, storage etc.
Sensor	TCS1 / TCS2SS (Capacitive)
Image Size (pixel)	TCS1: 12.8×18; TCS2SS: 10.4×14.4
Sensing Area (mm)	TCS1: 256×360; TCS2SS: 208×288
Resolution (dpi)	508
Standard	TCS1: FIPS, STQC; TCS2SS: ISO

InfraRed (Optional)

Wavelength	940nm
Frequency	38kHz
Range	> 4m
Protoc	DLT_645-2007

PSAM (Optional)

Slots	2 PSAM slots (maximum)
Protocol	ISO7816

Accessories(See details in Accessory Guide)



AC Adapter



Snap-on



USB cable



Cradle



Pistol



Fingerprint
(Optional)



Carrying holster
(Optional)