



## System Configuration

CPU:	High-performance quad-core 1.3 GHz processor
Operating System:	(Optional) 3G: Android 4.4 (Optional) 4G: Android 5.0
Memory:	8 GB ROM+1 GB RAM
Expansion Slot:	Mini SD card, up to 32 GB
Display:	4.7- inch, 1280 x 720 High resolution
Touch Panel:	Industrial-grade capacitive touch panel (supporting operation with gloves)
Camera	8 MXP camera in the back side, autofocus lens, LED flash,
(Optional):	and 5 MXP camera in the front
Exit Window:	Corning® Gorilla® glass
Keypad:	4 front keys, 4 side keys , Power key
Battery:	3.7 V 3600 mAh rechargeable lithium polymer battery
Audio:	Built-in microphone /Mini USB/Headphone connector
Notification:	Vibrator alerts/LED/Audio notification
Vibration Motor:	Built-in programmable vibration motor

## Structural Parameters

Dimensions (LxWxD):	150 mmx73.5 mmx16 mm (head 24mm thickness)
Weight:	230 g (standard battery included)

## Communication Transmission

Wireless Voice Communication:	850/900/1800/1900 MHz GSM
Wireless WAN (Network frequency):	(Optional) 3G: WCDMA: 850MHz/2100MHz; 2G: GSM: 850/900/1800/1900MHz (Optional) 4G: TDD-LTE: B38/B39/B40; FDD-LTE: B1/B3; 3G: WCDMA: 850MHz/1900MHz/2100MHz; CDMA 1X&EVDO: 800MHz; 2G: GSM: 850/900/1800/1900MHz; CDMA: 800MHz
Wireless WAN (Data service):	(Optional) 3G: GPRS / WCDMA(HSPA+) (Optional) 4G: PRS/ EVDO /WCDMA/ TD-LTE/LTE FDD
Bluetooth:	Bluetooth 4.0

GPS (optional): Supporting GPS

## Operating Environment

Development Tools: Android SDK+ JDK+Eclipse  
Programming Language: Java  
Operating Temp.: -10°C to 50°C (14°F to 122°F)  
Storage Temp.: -20°C to 60°C (-4°F to 140°F)  
Relative Humidity: 0 to 95% (non-condensing)  
Drop Specification: 1.2-meter drops to concrete ground  
Sealing: IP65  
Electrostatic Discharge: Conforms to  $\pm 15$  kV air discharge,  $\pm 8$  kV direct discharge

## 1D Laser Scanner

Optical Resolution:  $\geq 4$  mil  
Scan Depth of Field: 3.81 cm - 60.98 cm  
Scan Angle:  $47^\circ \pm 3^\circ$  (Standard)  
Scan Speed:  $102 \pm 12$  scans/sec. (Bidirectional)

## 1D / 2D Area Imager

Optical Resolution:  $\geq 3$  mil  
Scan Angle: Omnidirectional  
Scan Speed: 300 scans/sec.

## NFC

Frequency: 13.56 MHz  
Reading Distance: Within 10 mm  
Protocol: ISO14443A

## Input/Output Ports

USB Port: 1 ( Micro USB port)  
Serial Port: 1  
Headset Port: 1

## Accessories

Standard: Battery, Power adapter, USB cable/Charging cable, Hand strap  
Optional: 1-slot charging & communication stand, Bottom charging cable, Silicon case