



Physical Characteristics

Dimensions (W x H x D)	68 X 136 X 15.4 mm
Weight	200 g (with battery)
Display	5-inch HD Gorilla Glass 3 Display; 800 X 480 pixels
Standard battery	Rechargeable, 3.8 V, 3,010 mAh, Li-ion
Extended battery	Rechargeable, 3.8 V, 6,020 mAh, Li-ion
Expansion slot	Customer-accessible microSD slot for removable memory cards with a capacity of up to 64 GB
SIM/SAM slot	1 SIM
Audio	VoWWAN; VoWLAN; PTT ready; Headset jack; dual microphone support with noise cancellation; support for wired / wireless headsets
Camera	Main (Rear): 13 megapixel auto-focus camera with LED flash Sub (Front): 1.3 megapixel front camera for video conference
Barcode scanner	2D Imager
GPS	Integrated GPS

Performance Characteristics

Processor	1.2 GHz Quad Core Processor
OS (optional)	Android 5.1 (Android 6.0 upgradable) or Windows Embedded 8.1 Handheld (Windows 10 IoT Mobile Enterprise Upgradable)
System memory (optional)	2 GB RAM
Built-in storage (optional)	8 GB or 16 GB
Interface	Docking connector; Micro USB

User Environment Characteristics

Durability	TankSmith™ Technology
Operating temperature	-20°C to 60°C (-4°F to 140°F)
Storage temperature	-25°C to 70°C (-13°F to 158°F)
Humidity	95%, non-condensing



Communication Options

WWPN Radio (optional)	LTE, HSPA+/HSPA/UMTS, EDGE/GSM, CDMA
WLAN Radio (optional)	802.11 a/b/g/n (802.11n 2.4 GHz and 5 GHz) Indoor use only in 5150 MHz ~ 5250 MHz band.
WPAN Radio (optional)	Bluetooth Class I V4.0



Please ask your sales representative for the specifications not listed above or for the future upgradeable specifications.



Cradles

- 1-slot charging cradle: One charging slot for a handset, one charging slot for a spare battery, one micro USB port
- 4-slot charging cradle: Four charging slots for handsets, four charging slots for spare batteries, one micro USB port
- 1-slot Ethernet cradle: One charging slot for a handset, one charging slot for a spare battery, one micro USB port, Ethernet port
- 4-slot Ethernet cradle: Four charging slots for handsets, four charging slots for spare batteries, one micro USB port, Ethernet port



The power adapter, AC power plug and AC power cable require the use of charging cradles.

Batteries/Battery Covers

- Standard battery: 3,010 mAh
- Standard battery cover
- Extended battery: 6,020 mAh
- Extended battery cover

Vehicle Accessories

- Vehicle charger
- Vehicle mounting cradle

Scanning Accessories

- RFID sled

Carrying Accessories

- Holster

Other Accessories

- Stylus pen
- Protective film
- Adapter plug (220 V)
- Power adapter for direct charging
- Pistol grip
- User manual
- Quick guide



The battery does not charge properly.

- Ensure that your device and the charging cable are connected and the charging LED is functioning correctly.
- If the battery does not charge completely, it may be dead or defective. Replace the battery with a new one. (The warranty period for battery replacement is six months.)

The battery life got shorter.

When you use network data or peripheral device such as wireless LAN or Bluetooth that require more power, your device may use more battery than usual. If it happens for an extended period of time, your battery may be dead. Then replace it with a new battery.

I dropped the device in the water.

Turn off the device and take out the battery. Place the device and battery in a dry place. Let them dry completely for a considerable period of time, and then turn the device back on. If it does not turn back on, contact our service center.

My device gets too hot to touch.

It is normal for the device to warm up while it is receiving a poor signal, performing an intense workload, or charging. It should cool down if you stop using the device for a certain amount of time. If the problem continues, contact the manufacturer. It may result in a burst battery or fire.

How do I get the repair service?

You can contact your local sales representative or you can send the device via a delivery service to Bluebird's Korean headquarters. When sending the package, make sure you pay for the shipping fee in advance. When the repair is finished, Bluebird will cover the shipping cost.