

# The right choice for your business

- Designed for enterprises and experts.
- Seamless communication in any work environment
- Light, comfortable design to carry around
- Strong security via Bluebird SecureCare™
- An enterprise-class performance at a reasonable cost
- A variety of accessories for enterprises
- Various BOS™ Software available



**OS**  
Android 9.x  
with GMS



**Performance**  
Octa-Core Processor



**Wireless**  
Wifi, Bluetooth  
Support



**Battery**  
User Replaceable,  
Smart Battery



**Scanning**  
1D&2D imager



**Sealing**  
IP67(WWAN)  
IP54(WiFi Only)



**Operation Temp**  
-20°C to 50°C  
-4°F to 122°F



**Camera**  
13MP Autofocus  
with flash



**Display**  
5.45" HD+  
(1440x720)



**Drop Resistance**  
Multiple 1.2 m (4 ft) drops to  
tile over concrete at room  
temperature

## • Key Features

### Design for your work

The product is optimized for your work at enterprises based on built-in bar-code reader and waterproof/dustproof ratings.

### Convenient side buttons

The product's dual-action side scan triggers enable you to conveniently scan a barcode. You can use the product for various usages including PTT hot-key.

### A variety of accessories for enterprises

We provide 1 or 4 slot charging cradle, trigger handle, handstrap, stylus holder, etc. for your convenient use of the product and you can use the product along with the optical fingerprint module add-on and the UHF RFID reader sled (w/RF900).

### Slim, refined design

Its smartphone-like exterior and Android UI allow anyone to use it easily. Its light weight reduces your fatigue during work.

### Reliable security management

It provides an environment where your company can safely operate the device via Bluebird SecureCare™ which is an android security service program of Bluebird.

### Enterprise-class device at a reasonable cost

The product offers all essential features for SMEs, while allowing you to build a mobile environment of your company at a much lower cost than the existing full-rugged devices.

## Industry & Applications

### Retail

- Customer Engagement
- BOPIS (Buy online, Pick up in store)
- Shelf Management
- Backroom Management
- Receiving
- Stocking
- Shipping

### Warehouse Management

- Receiving
- Stocking
- Shipping

### Hospitality

- Order Taking

## BOS™ Solutions & Software

- BOS™ Provisioning
- BOS™ Staging
- BOS™ Kiosk
- BOS™ Virtual Key
- BOS™ Enterprise Keyboard
- BOS™ VoIP, PTT, PTT Express
- BOS™ EMM
- BOS™ Wi-Fine™ (WIFI analyze application)

## 3<sup>rd</sup> Party Solutions Integration

- EMM : Airwatch, MobileIron, Mobicontrol, IBM Mass360, XenMobile
- PTT : ESChat, Zello, IMPPT, EveryTalk, AirPTT

# Specification

PERFORMANCE CHARACTERISTICS	
CPU	1.8 GHz Octa Core Processor
Operating System	Android 9x with GMS - Support next two versions of Android Q and R - Upgrading to new supported versions of Android requires the purchase of a Bluebird Care™ Service contract
Memory	2GB RAM / 16GB Flash 3GB RAM / 32GB Flash (Optional) 4GB RAM / 64GB Flash (Optional)

PHYSICAL CHARACTERISTICS	
Dimensions (L x W x D)	158.26 x 75.8 x 19.0 (min 14.9) mm
Weight	251g included battery
Display	5.45" HD+ (1440 x 720), TFT-IPS
Touchpanel	Capacitive multi-touch / Stylus Corning Gorilla Glass 3 Glove, Wet
Backlight	LED backlight
Power	User replaceable Battery 3.85V / 4600mAh Smart Battery
Hot swap	Support (Optional)
Expansion Slot	MicroSD 32GB SDHC, up to 128GB SDXC
SIM / SAM	Hybrid SIM Slot (1 Nano SIM / 1 Micro SIM) - 1 Micro SIM is support by micro SD Card Slot Single SAM (Optional)
Interface	USB Type C Connector (USB 2.0) Docking Connector (Charging)
Notification	Audible tone; multi-color LEDs; (charging, events indicator) vibration
Keypad	On-screen keypad; 1 Power Key; Volume Up/Down; dual-action side scan triggers
Voice and Audio	Dual noise-cancelling microphones; High-quality speaker phone; 3.5mm headset jack
PTT Hot Key	Support - available dual-action side scan triggers

WIRELESS WAN DATA AND VOICE COMMUNICATIONS	
Radio Frequency Band	(Optional) EMEA, Korea, Thailand, India - LTE FDD: B1/B3/B5/B7/B8/B20 - LTE TDD: B38/B40/B41 - WCDMA: B1/B5/B8 - GSM/EDGE : B3/B8 Latin America, Australia, ANZ, Taiwan - LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 - LTE TDD: B40 - WCDMA: B1/B2/B5/B8 - GSM/EDGE : B2/B3/B5/B8 Japan - LTE FDD: B1/B3/B8/B18/B19/B26 - LTE TDD: B41 - WCDMA: B1/B6/B8/B19 North America - LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 - WCDMA: B2/B4/B5
GPS	(for WWAN only) A-GPS, GLONASS, BEIDOU

WIRELESS PAN	
Bluetooth	BT5.0 Class 2

WIRELESS LAN	
Radio	802.11 a/b/g/n/ac/d/h/i/k/r/w
Data Rates	5GHz: 802.11a/n/ac – up to 500 Mbps; 2.4GHz: 802.11b/g/n – up to 144 Mbps
Security and Encryption	WEP (40 or 104 bit) ; WPA/WPA2 Personal (TKIP, and AES); WPA/WPA2 Enterprise (TKIP, and AES) - EAPTTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PE APv0- MSCHAPv2, PE APv1-EAP-GTC, EAP Fast and LEAP

WIRED LAN	
Ethernet	Support (w/ Ethernet Cradle)

COMMUNICATION AND MESSAGING	
VoIP / PTT	

DATA CAPTURE	
Scanning	1D & 2D Imager
Camera	Rear : 13MP Autofocus with flash ( PDAF Support, F2.0 )
NFC	ISO 14443 Type A and B; F; FeliCa, and ISO 15693 cards, MiFare

SENSOR	
Light Sensor	Ambient Light
Motion Sensor	Proximity, Gyroscope, Accelerometer, Magnetic

USER ENVIRONMENT	
Operating Temp	-20°C to 50°C / -4°F to 122°F
Storage Temp	-30°C to +70°C / -22°F to +158°F
Humidity	95% non-condensing
Drop Spec	Multiple 1.2 m (4 ft) drops to tile over concrete at room temperature
Tumble Spec	300 tumbles, 1.6 ft./0.5 m
Sealing	WiFi Only : IP54 WWAN : IP67
Vibration	4G peak, 5 Hz to 2 kHz, 1 hour duration per axis
Thermal Shock	-40° C to 70° C / -40° F to 158° F rapid transition 10 cycles (1 cycle = 1.25 hours at -40°C and 1.25 hours at 70°C)
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

SW SOLUTION	
BOS™	BOS™ - Provisioning; - Staging; - Kiosk; - Virtual Key; - Enterprise Keyboard; - VoIP; PTT; PTT Express - EMM; - Wi-Fine™ (WiFi analyze application)
3rd Party Solutions Integration	EMM : Airwatch, MobileIron, Mobicontrol, Mass360, XenMobile PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT

ACCESSORIES	
Accessories	1 or 4 Slot Charging cradle, 1 or 4 Slot Ethernet cradle, Handstrap & Stylus Holder, Screen Protect Film, Trigger Handle, UHF RFID Reader Sled (w/RFR900), Optical Fingerprint*, Physical Keypad*, External Loud Speaker*  (* )Remarked accessories are supplied under the terms and conditions. Please visit our official website or contact to our sales representative for availability of the above accessories.

\* Specification subject to change without notice