

# CF550

## 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 11  
with GMS



**Performance**  
Octa-Core Processor



**Wireless**  
Wifi, Bluetooth  
Support



**Battery**  
User Replaceable



**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 barcode 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/RFR90x).

### 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)

## 3rd Party Solutions Integration

- EMM : Airwatch, MobileIron, Mobicontrol, Mass360, XenMobile
- PTT : MCPTT, ESChat, Zello, IMPTT, EveryTalk, AirPTT

# Specifications

PERFORMANCE CHARACTERISTICS	
CPU	2.0 GHz Octa Core Processor
OS	Android 11 with GMS
Memory	3GB RAM / 32GB Flash
PHYSICAL CHARACTERISTICS	
Dimension (L x W x D)	158.26 x 75.8 x 14.9 mm
Weight	251g
Display	5.45" HD+ (1440 x 720), TFT-IPS
Touch Panel	Corning® Gorilla® Glass 5
	Capacitive multi-touch (Stylus, Glove, Wet)
Backlight	LED backlight
Power	User replaceable battery 3.85V / 4350 mAh
Expansion Slot	MicroSD up to 128GB SDXC
SIM / SAM	Dual SIM
	- 1st Nano SIM - 2nd Nano SIM (by Micro SD slot)
Interface	USB Type C Connector (OTG) Docking Connector 2 Pin (Charging)
Notification	Audible tone; multi-color LEDs; vibration
Keypad & Button	1 power button; Volume up/down buttons; Home, Back, Menu buttons; Dual-action side scan triggers
Voice & 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	- LTE FDD : /B2/B3/B4/B5/B7/B8/B9/B18/B19/B20 /B26/B28 - LTE TDD : B38/B39/B40/B41 - WCDMA : B1/B2/B4/B5/B8 - GSM/EDGE : 900/1800/850/1900
GPS	(for WWAN only) GLONASS; Galileo; BeiDou, and A-GPS
WIRELESS PAN	
Bluetooth	BT5.0 BLE, Class 2

WIRELESS LAN	
Radio	802.11 a/b/g/n/ac/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) - EAP-TLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PE APv0- MSCHAPv2, PE APv1-EAP-GTC, EAP Fast and LEAP
WIRED LAN	
Ethernet	Support (w/ Ethernet Cradle)
DATA CAPTURE	
Scanning	1D & 2D Imager (SE4710)
Camera	Rear – 13MP Autofocus with flash
NFC	ISO 14443 Type A and B; F; FeliCa, and ISO 15693 cards, MiFare
SENSOR	
Light Sensor	Ambient Light
Motion Sensor	Proximity, Gyroscope, Accelerometer, E-Compass
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	5% to 95% RH non-condensing
Drop Spec	Multiple 1.2 m (4 ft) drops to tile over concrete at room temperature; 1.5m (4.9ft) MIL-STD-810G
Tumble Spec	300 tumbles, 1.6 ft./0.5 m
Sealing	WiFi SKU : IP54 WWAN SKU: IP67
Vibration	4G peak, 5Hz to 2kHz, 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™	- 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 : MCPTT, 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  Please visit our official website or contact to our sales representative for availability of the above accessories.

## Bluebird Inc. (Corporate Headquarters)

3F, 115, Irwon-ro, Gangnam gu, Seoul, Republic of Korea,  
Postal#06355 Phone. +82-1577-0778 Fax. +82.2.6499.2242  
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