Mobile Computer

HF550

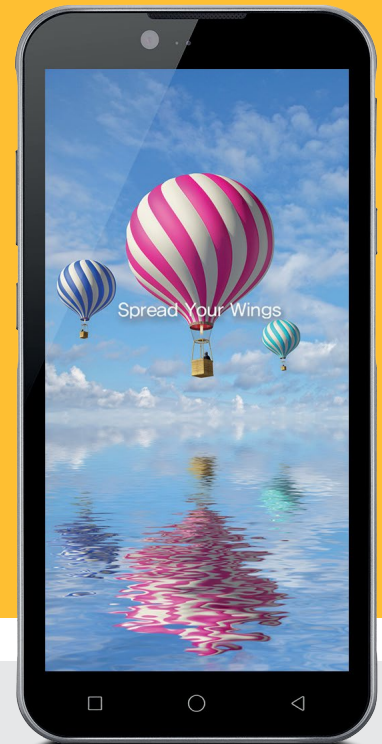**BLUEBIRD**

Reasonable Choice in Hyper-Connected Era

- Compact & Sleek Design
- Enhanced Durability & Lifecycle
- Supported by BOS™ Enterprise Solutions
- High-Capacity Smart Battery, Power for Hours
- Touch in Every Condition

OS	**Performance**	**Wireless**	**Battery**	**Drop Resistance**
Android 10 with GMS	Octa-Core Processor	Wifi, Bluetooth Support	3.8V, 4000mAh Smart Battery	Multiple 1.2 m (4 ft) drop per MIL-STD 810G

Sealing	**Operation Temp**	**Camera**	**Display**	**Gloved Touch**
IP67 (WWAN) IP54 (WiFi Only)	-10°C to 50°C 14°F to 122°F	13MP Autofocus with flash	5.45" HD+ (1440x720)	Multi Touch Support – Wet, Stylus, Glove

Key Features

Compact & Sleek Design
Forget the idea that Industrial mobiles are always big and heavy. Bluebird beautified HF550's appearance with a compact and light form factor. Reduce fatigue and make better working environment with HF550.

Enhanced Durability & Lifecycle
HF550 is designed as an enterprise device for work. With IP67 sealing, HF550 can be used in dust, dirt and water and is designed to withstand to tumbles and 1.2m drops. Unlike consumer smartphones, Bluebird HF550 will be provided as long as customers need, up to 5 years, making you reduce the cost and continue your business steadily.

Supported by BOS™ Enterprise Solutions
Bluebird BOS™ (Business Optimizing Solutions) is to support from development to maintenance as device management on enterprise level. You can access specialized applications in Business such as PTT Express, Wi-Fine™, Provisioning & Staging solutions without additional cost. Bluebird provides these premium services based on its know-how and experience of over 2 decades.

High-Capacity Smart Battery, Power for Hours
With 4000mAh battery, HF550 has advantages on running times with using enterprise-oriented application requiring more power because PowerManager™, one of Bluebird BOS™ Solutions, helps you use battery in a smart way.

Touch in Every Condition
Keep your gloves on when working with HF550. Bluebird capacitive multi-touch works in every condition: in wet conditions & with gloves.

Industry & Applications

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

Warehouse Management
- Receiving
- Stocking
- Shipping

Hospitality
- Order Taking

Healthcare
- EMR/EHR
- Pharmacy Management

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)
- BOS™ SecureID

3'rd Party Solutions Integration
- EMM : Airwatch, MobileIron, Mobicontrol, IBM Mass360, XenMobile
- PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT

Bluebird Warranty Service
(up to 5 years)
- BluebirdCare™
- BluebirdCare™ TCS
- Bluebird SecureCare™ AirPTT

Specifications

PERFORMANCE CHARACTERISTICS

CPU	2.2 GHz Octa Core Processor
Operating System	Android 10 ; Upgradeable to Android 14
Memory	4GB RAM / 32GB Flash

PHYSICAL CHARACTERISTICS

Dimensions (L x W x D)	151.8 x 74.5 x 12.2 mm
Weight	200g
Display	5.45" HD+ (1440 x 720), TFT-IPS
Imager Window	Corning® Gorilla® Glass
Touchpanel	Capacitive multi-touch / Stylus, Glove, Wet
Backlight	LED backlight
Power	Integrated Battery 3.8V / 4000mAh BOS™ PowerManager Station
Expansion Slot	MicroSD 32GB SDHC, up to 128GB SDXC
SIM / SAM	Hybrid Dual SIM Slot (2 Nano SIM or 1 Nano SIM / 1 Micro SD) 1 Nano SIM is supported by micro SD Card Slot
Interface	USB Type C Connector (USB 2.0) Docking Connector (Charging)
Notification	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad and Enterprise Keyboard power button; volume up/down buttons 1 Action key
Voice and Audio	Dual noise-cancelling microphones; High-quality speaker phone, 3.5mm headset jack
PTT Hot Key	Support – available Active Key

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 China - LTE FDD : B1/B3/B5/B8 - LTE TDD : B38/B39/B40/B41 - WCDMA : B1/B8 - GSM/EDGE : B3/B8
GPS	(for WWAN only) A-GPS, GLONASS, BEIDOU, Galileo

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 433 Mbps; 2.4GHz: 802.11b/g/n — up to 72.2 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

WIRELESS PAN

Bluetooth	Bluetooth 5.0 BLE , Class 2

COMMUNICATION AND MESSAGING

VoIP / PTT	

DATA CAPTURE

Scanning	(Optional) Camera barcode reading
Camera	Rear : 13MP Autofocus with flash Front : 5MP Fixed Focus
NFC	ISO 14443 Type A and B; F; FeliCa, and ISO 15693 cards, MiFare

SENSOR

Light Sensor	Ambient Light
Motion Sensor	Proximity, Gyro, Accelerometer, E-Compass

USER ENVIRONMENT

Operating Temp	-10°C to 50°C / 14°F to 122°F
Storage Temp	-30°C to +70°C / -22°F to +158°F
Humidity	95% non-condensing
Drop Spec	1.2m / 4ft. drop per MIL-STD 810G
Tumble Spec	300 tumbles, 1.6 ft./0.5 m
Sealing	WiFi SKU : IP54 WWAN SKU : 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

ACCESSORIES

In-box	Wall Adapter, USB Cable, SIM tooling pin
Additional	Wrist Strap, Protective Film, Protective Case (TBD), Multi-slot charging Cradle (TBD)

* Specifications are subject to change without notice.