VF550 Mobile Computer

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 BOS™ SecureCare
- An enterprise-class performance at a reasonable cost
- A variety of accessories for enterprises
- Various BOS™ Software available

BLUEBIRD

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℃ to 50℃
-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/RFR900).

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

Specification

PERFORMANCE CHARACTERISTICS

CPU	1.8 GHz Octa Core Processor
Operating System	Android 9.x 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)

PHYSICAL CHARACTERISTICS

Dimensions (L x W x D)	158.26 x 75.8 x 14.9 mm
Weight	TBD
Display	5.45" HD+ (1440 x 720), TFT-IPS
Imager Window	TBC
Touchpanel	Capacitive multi-touch / Stylus Corning Gorilla Glass 3 Glove, Wet
Backlight	LED backlight
Power	User replaceable Battery 3.8V / 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 LAN

Radio	802.11 a/b/g/n/ac
Data Rates	5GHz: 802.11a/n — up to 150 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 4.2 BLE, Class 2

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) Front : N/A
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℃ to 50℃ / -4°F to 122°F
Storage Temp	-30℃ to +70℃ / -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℃ and 1.25 hours at 70℃)
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)
3'rd Party Solutions Integration	EMM : Airwatch, MobileIron, Mobicontrol, Mass360, XenMobile PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT

* Specification subject to change without notice

www.bluebirdcorp.com