

Mobile Computer

VF550 SE

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)

3rd 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	3GB RAM / 32GB Flash

PHYSICAL CHARACTERISTICS	
Dimensions (L x W x D)	158.26 x 75.8 x 190 (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	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B18/B19/B20/B26/B28/B66/B71 LTE TDD: B38/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM/EDGE: B3/B8 Actual operating channels / frequencies and bandwidths depend on regulatory rules and certification agency.
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* (*)Remarkd 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.

* Specifications subject to change without notice and some features may vary by region.