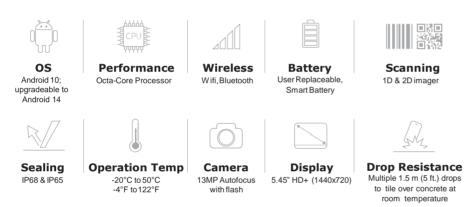


Enterprise Full Touch Mobile Computer EF550

The Ultimate Performance for Enterprise Mobility

Building on the success of Bluebird EF50x series, the all-new EF550 offers the larger display of 5.45" with enhanced innovative features and form factor that provide more huge value to enterprise productivity and user environment. The various features of the upgraded BOS™ solutions boost ease of use in device management as another level in order to maximize work efficiency.

Enjoy the EF550, a product of Bluebird's all cutting edge technology for the ultimate enterprise mobility performance.



Key Features

Ultimate Performance

With adopting Qualcomm Snapdragon® , the best CPU for enterprise and Android 10; upgradeable to Android 14 EF550 makes workers do business faster

and more securely, enhancing work efficiency. Users can quickly switch application screens thanks to the new Universal Flash Storage (UFS).

Faster, Wider BUT Less Power

EF550 has 2x2 Multiple-User Multiple Input Multiple Output (MU-MIMO) technology that makes possible for multiple devices communicate with access points simultaneously through pinpoint beamforming, which leads to enhancement in Wi-Fi network speed, range, and capacity. And access point is the one who processes not the device, increasing device battery cycletime.

Ultimate Rugged & Durability

Through Bluebird TankSmith® technology, EF550 is designed for the enterprise with the highest-in-class drop spec of 5 ft. (1.5m) and sealing up to IP68 to provide the ultimate durability and usability allowing use in environments exposed to water, humidity, or dust.

The Largest Display

The largest-in-class 5.45-inch display provides more quality information to the device users and at the same time, it enhances working condition with the best-in-class outdoor readability for users to read the screen even in bright sunlight.

No worry, It's All-Day Battery

No need to worry about recharging while working! EF550 battery offers 14-hour power in serial use. Safe as it is a hard-pack and stable battery operation with support of BOS™ PowerManager. Hot Swap mode is available without running any application, ensuring task continuity without turning off the device or an application. You can minimize loss of data due to discharge.

Business Optimized Solution

Bluebird BOS[™] (Business Optimizing Soluti ons) provides various features optimized for use of enterprise device from app development, device deployment, to business performance management as an integrated solution system. WithBOS[™] you can implement integrated management for EF550 in an efficient way.



Industry & Applications

Retail - Store associates

- Price/Inventory checksInventory management
- BOPIS (Buy online, Pick up in store)
- Loyalty management
- Assisted selling
- Voice communication
- Electronic coupons
- Store transfers
- Gift registry lookup

Retail - Store managers

- Workforcemanagement
- Planogram management
- Promotion compliance
 Merchandising

Field Service Technicians

- Asset management
- Invoicina

T&L

- Proof of Delivery

Healthcare

- Patient management, Staff communication

- Hospitality
- Order taking
- Government/Public Safety
- ID validation/Ticketing

BOS[™] Solutions & Software

- BOS™ Provisioning; Staging; Kiosk; Virtual Key; Enterprise Keyboard
- BOS™ VolP
- BOS™ PTT, PTT Essential
- BOS™ Wi-Fine™ (WiFi analyze application)
- BOS™EMM
- BOS™OTA
- BOS™ OemConfig

3'rd Party Solutions Integration

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





Specifications

PERFORMANCE CHARACTERISTICSWIRELESS VCPU2.2 GHz Octa Core Processor (SD660)Radio Frequ BandOperating System uppradeable to Android 14GPSMemory4GB RAM / 32GB UFS Flash 4GB RAM / 4G or 128GB Flash (Optional)WIRELESS VPHYSICAL CHARACTERISTICSDimensions (L x W x D)159.9 x 79 x 16.65 mm (L x W x D)WIRELESS LDimensions (L x W x D)59.9 x 79 x 16.65 mm (L x W x D)Dual mode capacitive touch with stylus or bare or gloved fingerip input (conductive stylus sold separately); Fingerprint resistant antismudge coating water droplet rejection StationData RatesTouchpanelUser Replaceable Standard Battery, LI-POYImer 38SV / 4350 mAh, 16.7Wh User StationWIRELESS P Bluetooth WIRELESS P Bluetooth WIRELESS P Bluetooth WIRELESS P Dista add add EthemetWIRELESS P Bluetooth WIRELESS P Bluetooth WIRELESS P Bluetooth Wireless P Docking Connector (USB 2.0) Docking Connector (USB 2.0) Docking Conne			
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Voice and Audio High-quality speaker phone; 3.5mm headset jack PTT headset support; Bluetooth wireless headset support, SWB & FB audio Support Support	Keypad	power button; Volume up/down buttons	
DTT List Kau	Voice and Audio	High-quality speaker phone; 3.5mm headset jack PTT headset support;	
	PTT Hot Key		

WIRELESS WAN	DATA AND VOICE COMMUNICATIONS
Radio Frequency Band	- LTE : 1(2100), 2(1900), 3/9(1800), 4(1700/2100), - 5/26/18/19(850), 7(2600), 8(900), 20(800), 28(700) - WCDMA : B1, B2, B4, B5, B8, B9, B19
GPS	(WWAN SKU only) Autonomous, Concurrent GPS; GLONASS; Galileo; BeiDou, and A-GPS
WIRELESS LAN	
Radio	WiFi: IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w; Wi-Fi™ certified; IPv4, IPv6, 2x2 MU-MIMO
	WWAN: IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w; Wi-Fi™ certified; IPv4, IPv6, 5GHz 2x2 MU-MIMO
Data Rates	5GHz: 802.11a/n/ac — up to 866.7 Mbps 2.4GHz: 802.11b/g/n — up to 300 Mbps
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP and AES); WPA/WPA2 Enterprise (TKIP and AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC and LEAP.EAP-PWD
	Data in Motion : FIPS 140-2 Level 1 Data at Rest : FIPS 140-2 Level 1
WIRELESS PAN	
Bluetooth	Bluetooth v5.0, BLE, Class 2
Ethernet	Support (w/ Ethernet Cradle)

* Android version is subject to change depending upon Qualcomm's roadmap.

* Please be informed that Bluebird warranty program should be purchased to get Android upgrade service.



Specifications (Continued)

COMMUNICATION AND MESSAGING

VoIP / PTT	
DATA CAPTURE	
Scanning	SE4720 1D/2D Scan Engine SE55 1D/2D Advanced Range Scan Engine (Optional
Camera	Rear – 13 MP autofocus; f/2.0 aperture; flash LED, PDAF; supports Torch mode Front – 5 MP fixed f/2.0 aperture
NFC	ISO 14443 Type A and B; FeliCa and ISO 15693 cards; P2P mode and Card Emulation via Host. Card Emulation via Host and UICC
SENSOR	
Light Sensor	Ambient Light Automatically adjusts display backlight brightness
Motion Sensor	Proximity, eCompass, accelerometer. Gyroscope, Pressure
USER ENVIRONME	
Operating Temp	-20°C to 50°C / -4°F to 122°F
Storage Temp	-40°C to +70°C / -40°F to 158°F
Humidity	95% non-condensing
Drop Spec	Multiple 5 ft./1.5 m drop to concrete at room temperature per MIL-STD 810G
Tumble Spec	1000 1.6 ft./0.5 m tumbles;
	meets or exceeds IEC tumble specifications
Sealing	IP68 and IP65 per applicable IEC sealing specifications
Vibration	4 g's PK Sine (5 Hz to 2 kHz); 0.04g2/Hz Random (20 Hz to 2 kHz); 60 minute duration per axis, 3 axis
Thermal Shock	-40° C to 70° C / -40° F to 158° F rapid transition
Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

	BOS™
BOS™	 Provisioning; Staging; Kiosk; Virtual Key; Enterprise Keyboard; VoIP; PTT; PTT Express EMM; Wi-Fine (WIFI analyze application)
3'rd Party Solutions Integration	 Secure ID (Secure management solution) EMM : Airwatch, MobileIron, Mobicontrol, Mass360, XenMobile PTT : ESChat, Zello, IMPTT, EveryTalk, AirPTT
ACCESSORIES	
Accessories	Direct Charger (Fast charging) USB C Cable 1 or 4 slot charging cradle (Includes a bay for Spare Battery Charging.) 1 or 4 slot ethernet cradle (Includes a bay for Spare Battery Charging.) Vehicle Cradle 4 Slot Battery Charger Handstrap & Stylus Holder / Stylus Soft Holder & Shoulder Strap Protective Flim Trigger Handle UHF RFID Reader Sled (w/ RFR90x) Holster

3F, 115, Irwon ro, Gangnam gu, Seoul, Republic of Korea, Postal#06355 Phone. +82-1577-0778 Fax. +82.2.6499.2242 Copyright © Bluebird Inc. All rights reserved. Bluebird Inc. is the designer and manufacturer of Bluebird handheld mobiles. Bluebird logo is registered trademark of Bluebird Inc. All other trademarks are property of their repective owners.