

Touch Mobile Computer

# EF500R

## The Proven Innovation of Enterprise Mobility

- **Durable and scratch resistant**

EF500's compact, lightweight design incorporates Bluebird's proprietary TankSmith™ technology. The 5-inch high definition multi-touch display is exceptionally resistant to scratches and deep chips.

- **Ergonomic, single-handed operation**

With a weight of only 360 grams, including the extended battery, EF500R is ergonomically designed for comfortable single-handed operation. The multi-touch display can be operated with stylus, fingertips, or gloves even if the display is wet.

- **Multi-OS support**

EF500 supports multiple operating systems, including Android 5.1, Android 6.X and Windows 10 IoT Mobile Enterprise. In addition, Bluebird can assist with customization of the operating system to enhance security, simplify deployment, and reduce support costs.

- **1D and 2D scanning**

EF500R has an imager that rapidly reads 1D and 2D barcodes and it also features a 13 MP camera for taking pictures and capturing signatures.

- **Full voice capabilities with push to talk**

EF500R comes with full voice capabilities; including noise cancelling, speakerphone, and push to talk that enable more efficient communication among employees, whether it is one-to-one or one-to-many.

- **Efficient power management**

EF500R uses several power saving technologies and also has an extended battery for an even longer battery cycle. It supports hot swapping for uninterrupted service.



## EF500R Specification

<b>PERFORMANCE CHARACTERISTICS</b>	CPU	1.2 GHz Quad Core Processor
	Operating System	Windows 10 IoT Mobile Enterprise / Android 5.1, 6.X
	Memory	2GB RAM / 16GB Flash
<b>PHYSICAL CHARACTERISTICS</b>	Dimensions (L x W x D)	166.5 x 88.75 x 28.9 mm
	Weight	360g
	Display	5.0 inch, HD (1280 x 720), Eyelluminate™ Display
	Imager Window	Corning® Gorilla® Glass 3
	Touchpanel	Capacitive multi-touch / Glove, Wet, Stylus
	Backlight	LED backlight
	Power	Long Lasting Power Battery. User replaceable. Standard : 3.8V, 6400 mAh Extended : N/A
	Hot swap	Support
	Quick charging	3.8 hours, Standard battery with charging cradle
	Expansion Slot	MicroSD 32GB SDHC, up to 64GB SDXC
	SIM / SAM	2 Micro SIM / 1 SAM
	Interface	1 Micro USB 2.0 / Docking Connector (USB 2.0)
	Notification	Audible tone; multi-color LEDs; vibration
	Keypad	On-screen keypad
Voice and Audio	Dual noise-cancelling microphones; High-quality speaker phone - CANNON SOUND™ Technology Applied; 3.5mm headset jack	
PTT Hot Key	Support	
<b>WIRELESS WAN DATA AND VOICE COMMUNICATIONS</b>	Radio Frequency Band	(Optional) - LTE: 1,2,3,4,5,7,8,17,18,19,20,28,38,40,41 - UMTS/HSDPA/HSUPA/HSPA/HSPA+: 850/900/1900/2100 - GSM/GPRS/EDGE: 850/900/1800/1900
	GPS	A-GPS, GLONASS, BEIDOU
<b>WIRELESS LAN</b>	Radio	802.11 a/b/g/n/d/h/i
	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
<b>WIRELESS PAN</b>	Bluetooth	Bluetooth 4.0 LE , Class 1
<b>WIRED LAN</b>	Ethernet	Support (w/ Ethernet Cradle)
<b>COMMUNICATION AND MESSAGING</b>		VoIP / PTT
<b>DATA CAPTURE</b>	Scanning	1D&2D imager
	Camera	Rear : 13MP Autofocus with flash / Front : 1.3MP Fixed Focus
	NFC	(Optional) ISO 14443 Type A & B / ISO 15693, MiFare
	Biometrics	Support (Optional)
<b>PAYMENT</b>	MSR	Support (Optional)
	Contact	Support (Optional)
<b>SENSOR</b>	Light Sensor	Ambient Light
	Motion Sensor	Proximity, Gyroscope, Accelerometer, Magnetic
<b>USER ENVIRONMENT</b>	TankSmith™ Technology	All Bluebird products are built on Bluebird's TankSmith™ technology
	Operating Temp.	-20°C to 60°C / -4°F to 140°F
	Storage Temp.	-40°C to 70°C / -40°F to 158°F
	Humidity	95% non-condensing
	Drop Spec.	2.4m / 8 ft. to concrete at room temp; meets and exceeds MIL-STD 810G
	Tumble Spec.	1000 1.6 ft./0.5 m tumbles; meets and exceeds IEC tumble specification
	Sealing	TankSmith™ IP67
	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 rapid transition
	Electrostatic Discharge (ESD)	+/-15kVdc air discharge +/-8kVdc direct discharge +/-8kVdc indirect discharge

### Accessories



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