

Touch Mobile Computer

# EF500

## The Proven Innovation of Enterprise Mobility

- **Multi-OS support**

EF500 supports multiple operating systems, including Android 5.1, Android 6.X and Windows 10 IoT Mobile Enterprise.

- **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 260 grams (9.2oz), EF500 is ergonomically designed for comfortable single-handed operation.

- **1D and 2D scanning**

The built-in bar code scanner rapidly reads 1-D and 2-D bar codes and it also has a 13 MP camera for taking pictures and capturing signatures.

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

EF500 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**

EF500 uses several power saving technologies to ensure it will run for the entire work shift.



## EF500 Specification

PERFORMANCE CHARACTERISTICS	CPU	1.2 GHz Quad Core Processor
	Operating System	Windows 10 IoT Mobile Enterprise / Android 5.1 , 6.X
	Memory	2GB RAM / 16GB Flash
PHYSICAL CHARACTERISTICS	Dimensions (L x W x D)	155.6 x 77.95 x 16.5 mm
	Weight	260g(with standard battery) / 330g(with extended battery)
	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, 3200 mAh Extended: 3.8V, 6400 mAh
	Hot swap	Support
	Quick charging	2.2 hours, Normal battery with charging cradle / 3.8 hours, Extended 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
WIRELESS WAN DATA AND VOICE COMMUNICATIONS	Radio Frequency Band	(Optional) 4G : LTE 3G : UMTS/HSDPA/HSUPA/HSPA/HSPA+ 2G : GSM/GPRS/EDGE
	GPS	A-GPS, GLONASS, BEIDOU
WIRELESS LAN	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
WIRELESS PAN	Bluetooth	Bluetooth 4.0 LE , Class 1
WIRED LAN	Ethernet	Support (w/ Ethernet Cradle)
COMMUNICATION AND MESSAGING		VoIP / PTT
DATA CAPTURE	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)
PAYMENT	MSR	Support (Optional)
	Contact	Support (Optional)
SENSOR	Light Sensor	Ambient Light
	Motion Sensor	Proximity, Gyroscope, Accelerometer, Magnetic
USER ENVIRONMENT	TankSmith™ Technology	All Bluebird products are built on Bluebird's TankSmith™ technology.
	Operating Temp.	-20℃ to 60℃ / -4°F to 140°F
	Storage Temp.	-40℃ to 70℃ / -40°F to 158°F
	Humidity	95% non-condensing
	Drop Spec.	1.5m / 5 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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