BLUEBIRD

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), EyeIlluminate™ 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 up to 64GB SDXC	
	SIM / SAM	2 Micro SIM / 1 SAM	
	Interface	1 Micro USB 2.0 / Docking Connector (USB 2.0) / Rear 12-pin connector	
	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 : 2.0MP 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.	-25 ℃ to 70℃ / -13 ˚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

www.bluebirdcorp.com