

## EF501 Touch Mobile Computer



# The Only Solution that Does All

Android™ 7.X

IP67

1.2m

MIL STD-810G

Our powerful industrial mobile device EF501 is designed for all day use and under any work environments by adopting latest Android OS and Octa core processor.

With a Bluebird EF501 is built to improve efficiency in workers' hands and providing customers experience the best service possible. EF501 delivers everything your business needs for productivity. It can be widely utilized in various industries distribution market, warehouse, manufacture, logistics, transportation, public service and healthcare.



## • Features & Benefits

### Ultimate Performance

A powerful octa-core processor ensures higher level of performance that can run multiple applications with minimum power consumption. Running Android™ 7.X Nougat, the EF501 provides ultimate on-the-go productivity packed with enterprise-focused features.

### All-Day Power

High-capacity, user replaceable battery delivers the longest working hours and with Hot-Swap mode, users can change the battery without having to reboot, keeps the device in full service.

### Outstanding Robustness for Maximized Usability in the Field

EF501's sleek look incorporates TankSmith® Technology withstand to drops and shocks, protecting it from using in water, dust, and dirt. The Corning® Gorilla® Glass touch panel is resistant to scratches and deep chips.

### Fast, Stable Connectivity

Whether indoors or in the field, EF501 provides the fastest, reliable wireless connections with support for the fastest Wi-Fi and 4G LTE, enabling workers to stay connected from anywhere.

### The Most Advanced Scanning

With the advanced scanning technology, workers can capture 1D and 2D barcodes as well as dirty and damaged barcodes quickly and accurately.

### A Full Range of Accessories Fulfilling Industrial Usability

Our full range of accessories 1/4slot cradle, battery toaster, vehicle cradle, holster, trigger handle, wearable trigger ring and more increase your productivity in various work environments.

## • Industry & Applications

### Retail – Associates

- Price checks / changes / audits
- Inventory management
- Financial / loyalty management
- Voice communications
- Buy online, pick up in store

### Field Service

- Task management
- Competitive surveys
- Sales / order tracking
- Order / service automation
- Route optimization

### T&L

- Proof of delivery
- Direct Store Delivery (DSD)
- Route Accounting
- Fleet Management
- Delivery tracking

### Healthcare

- Patient identity management
- Data management / collection
- Staff collaboration
- Workflow efficiency

### Retail – Managers

- Workforce management
- Merchandising
- Promotion compliance
- Planogram management

### Restaurant & Hospitality

- Order taking
- Mobile payment
- Inventory checks
- Workforce management
- Financial / loyalty applications

### Public Safety

- Alternate to two-way radio
- Data collection
- ID validation / ticketing
- Records query
- Documentation

### Manufacturing

- Asset management
- Building maintenance
- Management of product information
- Supplier management

## • Enterprise-Focused Features Accessories

1 Slot Charging Cradle



4 Slot Charging Cradle



6SC Battery Charger



Leather Holster



Fabric Holster



Vehicle Cradle



Handstrap



UHF RFID Reader (RFR900)



Trigger Handle\*



Wearable Package\*



Wristband + Trigger Ring

Fingerprint Add-on\*



PayGear® Back Cover\*



\* Remarkd accessories are supplied under the terms and conditions.  
Please visit our official website or contact to our sales representative for availability of the remarked accessories.

# Specification

PERFORMANCE CHARACTERISTICS		WIRELESS LAN	
CPU	2.0 GHz Octa Core Processor	Radio	802.11 a/b/g/n/d/h/i/r/ac
Operating System	Android™ Nougat 7.X with GMS * Support for the next versions of Android™ P, upgrading to new supported versions of Android requires the purchase of a Bluebird warranty service contract.	Data Rates	5GHz: 802.11a/n/ac - up to 500 Mbps; 2.4GHz: 802.11b/g/n - up to 144Mbps
Memory	2GB RAM / 16GB Flash 4GB RAM / 32GB Flash 4GB RAM / 64GB Flash (Optional)	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, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, EAP Fast3 and LEAP
PHYSICAL CHARACTERISTICS		WIRELESS PAN	
Dimensions (L x W x D)	155.6 x 77.9 x 16.5 mm 6.13 x 3.07 x 0.65 in.	Bluetooth	Bluetooth 4.2 BLE , Class 1
Weight	9.17 oz. 260 g (with standard battery) 11.64 oz. 330 g (with extended battery)	WIRED LAN	
Display	5.0 inch. HD (1280 x 720)	Ethernet	Support (w / Ethernet Cradle)
Imager Window	Corning® Gorilla® Glass 3	COMMUNICATION AND MESSAGING	
Touchpanel	Capacitive multi-touch / Glove, Wet, Stylus	VoIP / PTT	
Backlight	LED backlight	DATA CAPTURE	
Power	User Replaceable Battery Standard: 3.8V, 3200 mAh Extended: 3.8V, 6400 mAh	Scanning	1D&2D imager Scan range (Code 39 barcode) - 20 Mil : 2.0 inch to 30.0 inch (5.08 cm to 76.2 cm) - 4 Mil : 3.3 inch to 8.8 inch (8.4 cm to 22.4 cm)
Hot swap	Support	Rear Camera	13MP autofocus camera with flash
Quick Charging	2.2 hours, Normal battery with charging cradle 3.8 hours, Extended battery with charging cradle	NFC	(Optional - Available) ISO 14443 Type A and B; F; FeliCa, and ISO 15693 cards, MiFare
Expansion Slot	MicroSD up to 128GB	Biometrics	Support (w / Optical, Capacitive fingerprint accessory)
SIM / SAM	1 Micro SIM	PAYMENT	
Interface	1 x USB Type C (3.0) Docking Connector (USB 2.0) Rear 12-pin Connector	MSR	Support (w / PayGear® Cover)
Notification	Audible tone; multi-color LEDs; vibration	Contact	Support (w / PayGear® Cover)
Keypad	On-screen keypad	SENSOR	
Voice and Audio	Dual noise-cancelling microphones; High-quality speaker phone; 3.5mm headset jack	Light Sensor	Ambient Light
PTT Hot Key	Support	Motion Sensor	Proximity, Gyroscope, Accelerometer, Magnetic
WIRELESS WAN DATA AND VOICE COMMUNICATIONS		USER ENVIRONMENT	
Radio Frequency Band	(Optional) Worldwide • LTE : B20, B5, B6, B8, B9, B3, B1, B7 • UMTS/HSPA/HSPA+ : B5, B6, B8, B9, B3, B1 • GSM/GPRS/EDGE : 850/900/1800/1900MHz Americas • LTE : B5, B4, B3, B2, B1, B7 • UMTS/HSPA/HSPA+ : B5, B4, B3, B2, B1 • GSM/GPRS/EDGE : 850/900/1800/1900MHz Korea • LTE : B5, B1, B7	Operating Temp	-20°C to 50°C / -4°F to 122°F
GPS	(for WWAN only) A-GPS, GLONASS, BEIDOU (Default) A-GPS, GLONASS, Galileo (Optional)	Storage Temp	-40°C to 70°C / -40°F to 158°F
		Humidity	95% non-condensing
		Drop Spec	Multiple 4 ft./1.2 m drop to concrete at room temperature per MIL-STD 810G
		Tumble Spec	1000 1.6 ft. / 0.5 m tumbles; meets and exceeds IEC tumble specification
		Sealing	IP67 *EF50x + Optical Fingerprint (iBio) : IP65
		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

\* Specification subject to change without notice