

## EF501 Touch Mobile Computer



# The Only Solution that Does All

Android 7 or 9;  
Upgradeable to Android 10

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 or 9 ; Upgradeable to Android 10, 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\*



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

# Specification

PERFORMANCE CHARACTERISTICS	
CPU	2.0 GHz Octa Core Processor 2.2 GHz Octa Core Processor
Operating System	Android 7 or 9; Upgradeable to Android 10
Memory	2GB RAM / 16GB Flash 3GB RAM / 32GB Flash 4GB RAM / 64GB Flash
PHYSICAL CHARACTERISTICS	
Dimensions (L x W x D)	155.6 x 77.9 x 16.5 mm 6.13 x 3.07 x 0.65 in.
Weight	9.17 oz. 260 g (with standard battery) 11.64 oz. 330 g (with extended battery)
Display	5.0 inch, HD (1280 x 720)
Imager Window	Corning® Gorilla® Glass 3
Touchpanel	Capacitive multi-touch / Glove, Wet, Stylus
Backlight	LED backlight
Power	User Replaceable Battery 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 128GB
SIM / SAM	1 Micro SIM
Interface	1 x USB Type C (3.0) Docking Connector (USB 2.0) Rear 10-pin Connector
Notification	Audible tone; multi-color LEDs; vibration
Keypad	On-screen keypad
Voice and Audio	Dual noise-cancelling microphones; High-quality speaker phone; 3.5mm headset jack
PTT Hot Key	Support
WIRELESS WAN DATA AND VOICE COMMUNICATIONS	
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
GPS	(for WWAN only) A-GPS, GLONASS, BEIDOU (Default) A-GPS, GLONASS, Galileo (Optional)
WIRELESS LAN	
Radio	802.11 a/b/g/n/d/h/i/r/ac/v/k/w
Data Rates	5GHz: 802.11a/n/ac – up to 500 Mbps; 2.4GHz: 802.11b/g/n – up to 144Mbps
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
WIRELESS PAN	
Bluetooth	Bluetooth 4.2 BLE , Class 1
WIRED LAN	
Ethernet	Support (w / Ethernet Cradle)
COMMUNICATION AND MESSAGING	
VoIP / PTT	
DATA CAPTURE	
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)
Rear Camera	13MP autofocus camera with flash
NFC	(Optional – Available) ISO 14443 Type A and B; F; FeliCa, and ISO 15693 cards, MiFare
Biometrics	Support (w / Optical, Capacitive fingerprint accessory)
PAYMENT	
MSR	Support (w / PayGear® Cover)
Contact	Support (w / PayGear® Cover)
SENSOR	
Light Sensor	Ambient Light
Motion Sensor	Proximity, Gyroscope, Accelerometer, Magnetic
USER ENVIRONMENT	
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 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 <sup>2</sup> s PK Sine (5 Hz to 2 kHz); 0.04g <sup>2</sup> /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