

EF501R Rugged Touch Mobile Computer



The Only Solution that Does All

Android™ 7.X

IP67

2.4m

MIL STD-810G

Our powerful industrial mobile device EF501R is designed for all day use in the most demanding work environments particularly in field workforce by adopting latest Android OS and Octa-core processor, Octa-core processor proves the best performance in an environment where multiple applications are running simultaneously. EF501R delivers everything your business needs for productivity. It can be widely utilized in various industries particularly public service, distribution market with large size of storage, logistics, transportation, manufacture, security service, police and emergency service.



• 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 EF501R provides ultimate on-the-go productivity packed with enterprise-focused features.

Fast, Stable Connectivity

Whether indoors or in the field, EF501R provides the fastest, reliable wireless connections with support for the fastest Wi-Fi and 4G LTE, enabling workers to stay connected from anywhere.

Outstanding Robustness for Maximized Usability in the Field

EF501R'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.

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.

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



8 Slot
Charging Cradle



6 Slot
Battery
Charger*



24 Slot
Battery
Toaster



Handstrap
Shoulder Strap



Leather Holster



Fabric Holster



Vehicle Cradle



Wearable
Package*



Wristband + Trigger Ring

Trigger Handle*



UHF RFID Reader
(RFR900)



* 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	
CPU	2.0 GHz Octa Core Processor
Operating System	Android™ Nougat 7X 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.
Memory	4GB RAM / 32GB Flash 4GB RAM / 64GB Flash (Optional)

PHYSICAL CHARACTERISTICS	
Dimensions (L x W x D)	166.5 x 88.7 x 28.9 mm 6.56 x 3.49 x 1.14 in.
Weight	12.7 oz. 360 g
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 3.8V, 6400 mAh
Hot swap	Support
Quick Charging	3.8 hours, Standard battery with charging cradle
Expansion Slot	MicroSD up to 128GB
SIM / SAM	2 Micro SIM / 1 SAM
Interface	1 x USB Type C (3.0) 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; 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
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)
Camera	Rear : 13MP Autofocus with flash Front : 2.0MP Fixed Focus
NFC	(Optional) ISO 14443 Type A and B; F; FeliCa, and ISO 15693 cards, MiFare

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 8 ft. / 2.4 m drop to concrete MIL-STD 810G at room temperature
Tumble Spec	2,000 3.2ft. / 1.0 m tumbles; meets and exceeds IEC tumble specifications
Sealing	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

* Specification subject to change without notice