EF501R Rugged Touch Mobile Computer

The Only Solution that Does All

BLUEBIRD

| Android 7 or 9; Upgradeable to Android 10 | 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.

android enterprise recommended

• 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 EF501R 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.

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.

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.

Outstanding Robustness for Maximized Usablity 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.

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.

Specification

PERFORMANCE CHARACTERISTICS

CPU	2.0 GHz Octa Core Processor 2.2 GHz Octa Core Processor
Operating System	Android 7 or 9; Upgadeable to Android 10
Memory	2GB RAM / 16GB 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 (Optional)
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 Typc 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：B1, B3, B5, B6, B7, B8, B9, B20 - UMTS/HSPA/HSPA+：B1, B3, B5, B6, B8, B9 - GSM/GPRS/EDGE：850/900/1800/1900MHz Americas - LTE：B1, B2, B3, B4, B5, B7 - UMTS/HSPA/HSPA+：B1, B2, B3, B4, B5 - GSM/GPRS/EDGE：850/900/1800/1900MHz Korea - LTE：B1, B5, B7
GPS	(for WWAN only) A-GPS, GLONASS, BEIDOU (Default) A-GPS, GLONASS, Galilo (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, and LEAP

WIRELESS PAN

Bluetooth	Bluetooth 4.2 BLE , Class 1

WIRED LAN

Ethernet	Support (w/ Ethernet Cradle)

COMMUNICATION AND MESSAGING

VolP / 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 (Optional)
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

www.bluebirdcorp.com