BLUEBIRD

Touch Mobile Computer

EF501R

Android 7.0 Nougat   LTE   Wi-Fi   TankSmith™   Barcode   PTT

The One Device that Does All

Ultimate Performance

A powerful octa-core processor ensures higher level of performance that can run multiple applications with minimum power consumption. Running Android 7.0 Nougat, the EF501R provides ultimate on-the-go productivity packed with enterprise-focused features.

Enterprise Durability

Bluebird's most rugged 5-inch touch mobile computer for use outdoors and in harsh industrial environments. Perfectly combines premium enterprise class mobility and rugged industrial design.

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.

Exceptional 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.

Industries
· Retail
· Field Services
· Healthcare
· Transportation & Logistics
· Warehouse Management

Use Cases
· Customer Engagement
· Merchandising & Inventory Checks
· Competitive Pricing
· Staff Collaboration & Communication
· Order Taking

EF501R Specification

PERFORMANCE CHARACTERISTICS	CPU	2.0 GHz Octa Core Processor	
	Operating System	Android 7.X	
	Memory	2GB RAM / 16GB Flash (Default), 4GB RAM / 32GB Flash (Optional)	
PHYSICAL CHARACTERISTICS	Dimensions (L x W x D)	166.5 x 88.75 x 28.9 mm	
	Weight	360g	
	Display	5.0 inch. HD (1280 x 720)	
	Imager Window	Corning Gorilla Glass 3	
	Touchpanel	Capacitive multi-touch Glove, Wet, Stylus	
	Backlight	LED backlight	
	NIT	330 Nit, 500 NIT (Optional)	
	Power	User replaceable Battery, Standard: 3.8V, 6400 mAh	
	Hot swap	Support	
	Quick charging	3.8 hours, Standard battery with charging cradle	
	Expansion Slot	MicroSD 32GB SDHC, up to 128GB SDXC	
	SIM / SAM	2 Micro SIM / 1 SAM	
	Interface	1 x USB Typc C (3.0)Docking Connector (USB 2.0)	
	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)
		Korea
		 - LTE : 850, 2100, 2600 (FDD 5,1,7)
		Worldwide
		 - LTE : 800, 850, 900, 1800, 2100, 2600
		   (FDD 20,5,6,8,9,3,1,7)
		 - UMTS/HSPA/HSPA+: 850/900/1800/2100
		   (FDD 5,8,3,1)
		 - GSM/GPRS/EDGE: 850/900/1800/1900
			Americas
			 - LTE : 850/1700/1800/1900/2100/2600
			   (FDD 5,4,3,2,1,7)
			 - UMTS/HSPA/HSPA+: 850/1700/1800/1900/2100
			   (FDD 5,4,3,2,1)
			 - GSM/GPRS/EDGE: 850/900/1800/1900

	GPS	A-GPS, GLONASS, BEIDOU (Default)A-GPS, GLONASS, Galilo (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 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 and B; F; FeliCa, and ISO 15693 cards, MiFare	
	Biometrics	Support (Optional)	
PAYMENT	MSR	Support (Optional)	
	Contact	Support (Optional)	
SENSOR	Light Sensor	Ambient Light	
	Motion Sensor	Proximity, Gyroscope, Accelerometer, Magnetic	
USER ENVIRONMENT	Operating Temp.	-20℃ to 60℃ / -4℉ to 140℉	
	Storage Temp.	-40℃ to 70℃ / -40℉ to 158℉	
	Humidity	95% non-condensing	
	Drop Spec.	2.4m / 8 ft. to concrete at room temp. per MIL-STD 810G	
	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	

Accessories

www.bluebirdcorp.com