EF401 Touch Mobile Computer

Super Compact, Super Smart

Powerful Enterprise Functionalities In a Pocket-sized Design

Android™ 7.X | IP67 | 1.2m | MIL STD-810G

BLUEBIRD

• Features & Benefits

Ultimate Performance

The reliable and powerful 2.0 GHz Octa-core processor ensures higher level of performance that can run multiple applications with minimum power consumption. Running Android 7.X, the EF401 provides ultimate on-the-go productivity packed with enterprise-focused features.

Fast, Stable Connectivity

EF401 provides the fastest, reliable wireless connections with support for the fastest Wi-Fi and 4G LTE, enabling workers to stay connected whenever, wherever they need.

Glove & Wet Touch Panel

Can be operated with finger, or gloves even if they are wet. Slim form factor and non-slip grip texture ensures easy one-handed operation.

Enterprise-Class Durability

EF401 incorporates TankSmith® Technology to withstand drops and shocks, protecting the device from water, dust, and dirt. The Corning® Gorilla® Glass touch panel is resistant to scratches and smudges.

Allows Continuous Work Throughout the Day

Capability of multi-tasking with minimal power consumption ensures best-in-class battery time. (PowerManager™ Smart Battery Available-Optional)

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.

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Industry & Applications

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

Retail – Managers
- Workforce management
- Merchandising
- Promotion compliance
- Planogram management

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

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

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

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

Enterprise-Focused Features Accessories

1 Slot Charging Cradle	4 Slot Charging Cradle	Vehicle Cradle
6 Slot Battery Charger*	Smart Battery & Cover	UHF RFID Reader (w/RFR900)
Leather Holster	Wearable Package* Wristband + Trigger Ring	Trigger Handle*

* Remarked 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 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.
Memory	2GB RAM / 16GB Flash

PHYSICAL CHARACTERISTICS

Dimensions (L x W x D)	136.3 x 68 x 15.9 mm 5.37 x 2.68 x 0.63 in.
Weight	7.05 oz. 200g (with standard battery) 8.82 oz. 250g (with extended battery)
Display	4.0 inch, WVGA (800 X 480)
Imager Window	Corning® Gorilla® Glass 3
Touchpanel	Capacitive multi-touch / Glove, Wet, Stylus
Backlight	LED backlight
Power	User Replaceable Battery Standard: 3.8V 2860 mAh Extended: 3.8V 5720 mAh Smart battery : 3.8V 2860 mAh (Optional)
Quick Charging	2.2 hours, Normal battery with charging cradle 3.8 hours, Extended battery with charging cradle
Expansion Slot	MicroSD 32GB SDHC, up to 128GB SDXC
SIM / SAM	1 Micro SIM
Interface	1 x Micro USB Docking Connector (USB 2.0) Rear 10-pin Connector (Optional)
Notification	Audible tone; Multi-color LEDs; Vibration
Keypad	On-screen keypad, Dual-action side scan triggers, Volume Up / Down, Power Button
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 : 1/2/3/4/5/7/8/20 • UMTS/HSPA/HSPA+ : 1/2/3/4/5/8 • GSM/GPRS/EDGE : 850/900/1800/1900 Americas • LTE : 1/2/3/4/5/8/17 • UMTS/HSPA/HSPA+: 1/2/3/4/5/8 • GSM/GPRS/EDGE : 850/900/1800/1900
GPS	(for WWAN only) A-GPS, GLONASS, BEIDOU (Default) A-GPS, GLONASS, Galilo (Optional-TBD)

WIRELESS LAN

Radio	802.11 a/b/g/n/ac/d/r/h/i
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 : 2MP 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	–10°C to 50°C / –2°F to 122°F
Storage Temp	-40°C to 70°C / -40°F to 158°F
Humidity	95% non-condensing
Drop Spec	Multiple 1.2m / 4 ft. drop to tile over 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
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