

## 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



## • 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.

## • 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

### Manufacturing

- Asset management
- Building maintenance
- Management of product information
- Supplier management

### Retail – Managers

- Workforce management
- Merchandising
- Promotion compliance
- Planogram management

### Restaurant & Hospitality

- Order taking
- Mobile payment
- Inventory checks
- Workforce management
- Financial / loyalty applications

### Healthcare

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

### T&L

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

### Public Safety

- Alternate to two-way radio
- Data collection
- ID validation / ticketing
- Records query
- Documentation

## • 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\*



\* 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 two versions of Android™ (P and Q), 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	705 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, Galileo (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
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## WIRED LAN

Ethernet	Support (w / Ethernet Cradle)
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## COMMUNICATION AND MESSAGING

VoIP / PTT	
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## 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. to tile over concrete MIL-STD 810G at room temperature
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); 0.04g <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