

Touch Mobile Computer with Fingerprint Scanner

# EF500 iBio

## The Proven Innovation of Enterprise Mobility

- **Multi-OS Support**

EF500 iBio supports multiple operating systems, including Android 5.1, Android 6.X and Windows 10 IoT Mobile Enterprise.

- **Durable and Scratch Resistant**

EF500 iBio's compact, lightweight design incorporates Bluebird's proprietary TankSmith™ technology. The 5-inch high definition multi-touch display is exceptionally resistant to scratches and deep chips.

- **Ergonomic, Single-handed Operation**

With a weight of only 302 grams, EF500 iBio is ergonomically designed for comfortable single-handed operation.

- **1D and 2D Scanning**

The built-in bar code scanner rapidly reads 1-D and 2-D bar codes and it also has a 8 MP camera for taking pictures and capturing signatures.

- **Full Voice Capabilities with Push to Talk**

EF500 iBio comes with full voice capabilities; including noise cancelling, speakerphone, and push to talk that enable more efficient communication among employees, whether it is one-to-one or one-to-many.

- **Efficient Power Management**

EF500 iBio uses several power saving technologies to ensure it will run for the entire work shift.



Integrated  
Optical  
Fingerprint  
Scanner

# EF500 iBio Specifications

PERFORMANCE CHARACTERISTICS	
CPU	Quad Core Processor 1.2GHz
OS	Android 6.0.1
MEMORY	2GB RAM/16GB Internal Memory
INTERFACE	Docking connector; 1 microUSB port
COMMUNICATION OPTIONS	
WWAN RADIO	LTE/HSPA+/HSPA/UMTS, EDGE/GSM/GPRS
WLAN RADIO	802.11 a/b/g/n/d/h/i
WPAN RADIO	Bluetooth Support
DATA CAPTURE	
RFID	ISO 15693 13.56 MHz Compatible standards: ISO/IEC14443-4 Type A & B, MIFARE (Classic 1K and 4K , DESFire, MIFARE Plus), NFC Forum (tag type 1, 2 , 3, 4)
CAMERA	8Mega Pixel Auto Focus Camera with LED Flash;
BARCODE SCANNER	The built-in imager 1D / 2D
PHYSICAL CHARACTERISTICS	
DIMENSIONS	203.7 x 82.3 x 21.05 mm
WEIGHT	302g
Display & Touch	5-inch Display
Battery	User replaceable Battery Standard: 3.8V, 3200 mAh / Extended: 3.8V, 6400 mAh
EXPANSION SLOT	Customer-accessible MicroSD
SIM/SAM SLOT	1 SIM (WWAN Only)
AUDIO	VoWWAN; VoWLAN; PTT ready; Dual Microphone with Noise Cancellation, Stereo Ear jack )(3.5mm), Speaker Available
GPS	Integrated A-GPS, GLONASS
Sensors	Ambient light, Proximity, Gyroscope, Accelerometer, Magnetic
USER ENVIRONMENT CHARACTERISTICS	
DURABILITY	TankSmith™ Technology; IP67 Sealing, 1.5m Drop MIL-STD 810G Method 501.5 / 502.5 / 507.5 /516.6 /514.6 /503.5
OPERATING TEMP	-20°C to 60°C
STORAGE TEMP	-25°C to 70°C
HUMIDITY	95% non-condensing
FINGERPRINT SCANNER	
CERTIFICATIONS	FIPS PIV IQS / ISO 19794-4 : 2011 , MINEX & FIPS 201 complaint algorithms, STQC, Fake Finger Detection
SECURITY	FIPS 140-2 Level 2, Data is encrypted
SENSOR TYPE	OPTICAL – CBM-E3, MSO 1300 E3 Morpho
FEATURE EXTRACTION	Propetary, ISO 19794-2, ANSI 378
FAKE FINGER DETECTION	Latex, Gelatin, Plasticine, Kapton, Transparent Film, Silicone, Rubber, Play-doh, Graphite Or Paper
ACCESSORIES	
CRADLE ( 1 SLOT)	1 Device Charging , Includes 1 Spare Battery Charging. Adaptor 9V / 3A
CRADLE ( 4 SLOTS)	4 Device Charging , Includes 4 Spare Battery Charging. Adaptor 9V /10A
USB CHARGER	Micro USB cable, 5V / 2A
VEHICLE CHARGER	Vehicle Mount Charger 5V / 2A , Vehicle Holder
ETC.	Stylus Pen, Hand Strap, Cover Pouch



CRADLE ( 1SLOT / 4SLOT)



USB CHARGER



Vehicle Holder/  
CHARGER



Stylus Pen



Hand strap

## Bluebird Inc.

(Corporate Headquarters)

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