

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 5inch 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; IP65 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	Fake Finger Detection

ACCESSORIE

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

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