

The sixth masterpiece of over 10 years' endeavor

Touch Mobile Computer with Fingerprint Scanner

EF500 Biometric



After an intensive 10 year long R&D endeavor, Bluebird is proud to present you the EF500: the pinnacle of a rugged handheld computer. As a demonstrated market leader, Bluebird is known for innovating ahead of the consumer market and has introduced the touch mobile computer technology before consumer smartphones took advantage of the advancement.

Educated consumers choose industry leaders, and Bluebird has a proven platform of industrial devices that are serving in more than 10,000 work environments today. As one of the only manufacturer to have approved the advanced technology, the EF500 is the right choice where a rugged mobile device is needed to empower daily operations.

Enterprise class reliability, real-time access to data and fewer operational failures has resulted in a more productive workforce and incorporation of these multiple technological advancements have established the EF500 as an indispensable tool in the industrial world.

Secure your business by bringing this ultimate mobile computer into your growing industry.

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- Android OS Support
 - TankSmith™ Ruggedness
 - Slim Form Factor
 - Extended Battery, Longer Battery Cycle
 - Simple And Easy PTT (Push-to-talk) Communication
 - Lightning Fast Data Capture
 - Large Display, Equipped For Industrial Purposes
 - Excellent Communication And Network Connectivity
 - Optimized Camera For Industrial Demands
 - Optical Fingerprint Scanner
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SPECIFICATIONS

PERFORMANCE CHARACTERISTICS

CPU	Quad Core Processor 1.2GHz
OS	Android 6.0
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	203.7x82.3 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
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



CBM-E3,
MSO 1300
E3 Morpho

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 (1 SLOT)



CRADLE (4 SLOTS)



USB CHARGER



Vehicle Holder/
CHARGER



Stylus Pen



Hand strap

Bluebird Inc. (Corporate Headquarters)

SEI Tower 13~14F, 39 Eonju-ro 30-gil, Gangnam-gu, Seoul, Korea. Postal#06292 Phone. +82-1577-0778
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