CROSSMATCH TECHNOLOGIES

PRODUCTS

Be.U Mobile

Rugged Handheld Reader for Identity Verification

Application Environments

Be.U Mobile's ruggedness and flexibility allow for integration into a vast array of identity verification projects, such as:

- Law Enforcement
- Airports
- Seaports
- Military bases and ships
- Border checkpoints
- Immigration offices
- Schools and Universities
- Financial Institutions

Cross Match mobile fingerprint scanners enhance identity verification programs for military, law enforcement and many other agencies. Based on proven biometric capture technology, the compact handheld solutions enable users to access crucial data in challenging environments, such as national border control areas and military zones.

By combining a fingerprint reader with contact and contactless smart card readers, the rugged Be.U Mobile is the perfect device to authenticate documents, such as e-Passports, employee IDs (Transportation Worker's Identification Credentials or TWIC, Common Access Cards or CAC) and Driver's Licenses to identify people in the field. The reader guarantees broad interoperability with travel documents from all suppliers in order to quickly process high volumes of travelers transiting through international airports or any other points of entry.

The integrated LCD graphic display delivers clear and crisp color images in the field, enabling users to quickly verify subjects' identities saving time and protecting user safety.

Be.U Mobile

Be.U Mobile Features

- PIV compliant FIPS 201 CHUID Reader
- 508 ppi resolution
- Multiple card interfaces — contact, contactless, 1D and 2D bar codes
- Multiple fingerprint algorithms
- Multiple wireless interfaces — WiFi, GSM, CDMA
- Extended battery life
- Certifications: CE, FCC, UL, CSA, WEEE, RoHS
- Scalable: Supports high user volume

Be.U Mobile Specifications

Fingerprint Sensor

Technology	3-D capacitive
Active area	0.7″ x 0.5″ (18 mm x 12.8 mm)
Array Size	360 x 256 pixels
Spatial Resolution	508 DPI
ESD Immunity	15 KV

Smart Card Specifications

Contact:	ISO 7816
Contactless:	ISO 14443 Type A/B, ISO 15693 MIFARE® DESFire; Landing (>200,000 cycles)

Interfaces

SAM	2, internal access
RS-232	1
USB	Client
USB and Ethernet	Host through cradle
SDIO	1, internal slot
Memory Expansion	SD Memory Card
Speaker	Speaker audio codec

Wireless Interfaces

WiFi 802.11 b/g	Optional (SDIO slot)
GSM 900/1800 MHz	Optional
GSM 850/1900 MHz	Special request
CDMA 800/1900 MHz	Special request

Barcode Decoding

Symbologies	1D (Code 39, Code 128) and 2D (PDF-417, QR, Matrix)
Targeting & Illumination	LEDs (No Laser)

Software

Host Application	1-to-1 fingerprint matching; 1-to-N fingerprint matching (on server)
O/S	Windows CE 5.0
Tool	SDK Windows CE 5.0

Electronic

CPU (520 Mhz)	Intel XScale PXA270
Memory	128 MB RAM 128 MB Flash
Keyboard	4-direction buttons & 6-function buttons
Languages	English
LED	3, bi-color
Power Source	Battery operated and quick recharge
Battery Life	> 8 hours

Environmental

Operating Temperature	14 to 122° F (-10 to 50° C)
Storage Temperature	-4 to 149° F (-20 to 65° C) without battery
Humidity range	10-90% non-condensing; splash-resistant
Ruggedized	MIL-STD-810F compliant; supports 4 foot drop; IP 65 compliant; resistant to rain, sand, salt and dust

Mechanical

Size:	3.94″ x 8.58″ x 1.85″ (100 mm x 218 mm x 47 mm)
Weight	24 oz. (683 g)

Display

LCD	Advance-TFT 3.5″ touch screen
Resolution	240 x 320 pixels
Color	65,536 colors
Backlit	Yes

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