

BMB-2

**RUGGED ID
MULTI-BIOMETRIC MOBILE**



ANDROID



4G



WIFI



BLUETOOTH



NFC



GPS



IP65



CAMERA



2 D BARCODE



FINGERPRINT



IRIS SCANNER



FACIAL SCANNER

BMB-2 Rugged ID Multi-Biometric Mobile

THE BMB-2 REPRESENTS AN ANDROID-POWERED BIOMETRIC TERMINAL DESIGNED TO MEET THE ESCALATING DEMANDS OF GOVERNMENTAL BODIES, MILITARY AUTHORITIES, FINANCIAL INSTITUTIONS, AND THE HEALTHCARE SECTOR. IT OFFERS A SOLUTION FOR AUTOMATED, RAPID, DEPENDABLE, AND SEAMLESSLY SECURE VERIFICATION OF VARIOUS IDENTIFICATION DOCUMENTS WITHIN A MOBILE ENVIRONMENT.

THE BMB-2, DRIVEN BY AN OCTA-CORE PROCESSOR, EMPOWERS USERS TO EFFICIENTLY MULTITASK, SUPPORTING THE CONCURRENT OPERATION OF UP TO EIGHT APPLICATIONS. EMBEDDED WITHIN THE BMB-2 IS A COMPACT OEM OCR READING ENGINE, CAPABLE OF CAPTURING CODE LINES FROM MACHINE-READABLE PASSPORTS (MRP), VISAS (MRV), BOTH U.S. AND INTERNATIONAL RESIDENT PERMITS, AS WELL AS NATIONAL ID CARDS, INCLUDING THOSE ADHERING TO ICAO 9303 AND ISO/IEC 7501-1 STANDARDS (2 AND 3-LINE MRZ). FURTHERMORE, IT CAN READ THE NEW ISO/IEC 18013-1 DRIVING LICENSES WITH 1-LINE MRZ.

THE INTEGRATION OF FINGERPRINT AND IRIS SCANNING FUNCTIONALITIES FACILITATES THE SEAMLESS INCLUSION OF BIOMETRIC FEATURES INTO MULTIPLE APPLICATIONS. THIS ENABLES AFIS (AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM) TO ASCERTAIN AN INDIVIDUAL'S PERSONAL INFORMATION, ENCOMPASSING SUBJECT'S NAME, SSN, NATIONAL ID, SUBJECT'S HISTORY AND CRIMINAL RECORD, THROUGH THE SCANNING OF THE SUBJECT'S FINGERPRINT AND/OR IRIS.

Components and Views



PHYSICAL SPECIFICATION

DIMENSIONS	147mm(H) X 78mm(W) X 21mm(D)
WEIGHT	420 gram with standard battery, 470 gram with extended battery (4000mAh)
DISPLAY	4.3 inch WVGA (Sunlight readable)/480 X800(Capacitive touch, Resistive touch optional)
CPU & RAM	1.8 GHz Octa-core processor (SAMSUNG Exynos), RAM 3GB, ROM 16GB
POWER	Standard battery / 2860mAh Li-ion Contact Smart Card Reader (optional)
INPUT	5 Front Key / 5 Side key
EXPANSION SLOT	Micro SD card(up to 32GB)
INTERFACES	USB type 3.0A Host, USB 2.0 OTG, External Serial RS232C, RJ45 Port
SENSORS	Accelerometer sensor, light sensor, geomagnetic sensor; gyroscope
NOTIFICATION	Sound, LED indicator
AUDIO	Microphone and speaker

COMMUNICATION SPECIFICATION

WLAN	IEEE 802.11 a/b/g/n/ac
WWAN (EUROPE, ASIA)	Gemalto PLS8-E : LTE, HSPA+, EDGE, GPRS LTE : 800, 900, 1800, 2600Mhz HSPA+ : 900, 1800, 2100Mhz GSM/GPRS/EDGE : 900, 1800Mhz
BLUETOOTH	Bluetooth 4.2 BLE + Bluetooth Headset support
GPS	A-GPS (Ublox-7 Series)

DATA COLLECTION SENSORS SPECIFICATION

REAR CAMERA	13 Mega pixels Auto Focus+ LED Flash
FRONT CAMERA	2 Mega pixels
CONTACT CARD READER	Gemalto, EMVCo, emv2000 4.2 and PBOC
1D/2D SYMBOLOGY	1D Laser 2D Imager, Zebra SE965 Zebra SE4750
NFC (OPTIONAL)	ISO 14443 A/B, Mifare Desfire, ISO15693 Card support (Optional)
BIOMETRIC - FINGERPRINT RECOGNITION (OPTIONAL)	Optical FAP 20, 500 dpi, FBI PIV IQS / ISO 19794-4:20011(Annex. B) MINEX & FIPS 201 compliant algorithms / STQC
BIOMETRIC - FACIAL RECOGNITION	ISO 19794-5
BIOMETRIC - IRIS RECOGNITION	5MP, ISO 19794-6, Iris capture volume 130mm x 45mm x 80mm

OPERATING SYSTEM SPECIFICATION

OS	Android 11 and above
SUPPORTED MDM	AirWatch and other
SDK	Available
LANGUAGE	JAVA
TOOL	Eclipse / Android Studio

USER ENVIRONMENT SPECIFICATION

OPERATING TEMP.	-4 °F to 140 °F / -20 °C to 60 °C
STORAGE TEMP.	-22 °F to 158 °F / -30 °C to 70 °C
HUMIDITY	93% RH noncondensing
SEALING	1.5 m (4.9 ft.) drop to concrete / IP65
OTHER CERTIFICATION	CE, FCC, RoHS

Application Range

Various modules and accessories can be selected to meet customers' application at borders, National Identity and commercial industries.





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