

# ***BMBT 20***

RUGGED MULTI-BIOMETRIC TABLET



ANDROID 11



4G



WIFI



BLUETOOTH



NFC



GPS



FINGERPRINT



CAMERA



1D BARCODE



2D BARCODE

# ***MULTI-FACTOR AUTHENTICATION HIGHLY SECURE PORTABLE WATERPROOF***

THE UNIQUE BIOMETRIYA MULTI BIOMETRIC TABLET 20 (BMBT20) UTILIZES THE BEST, CUTTING-EDGE SENSORS TO CAPTURE HIGH QUALITY BIOMETRIC INPUT FOR IDENTIFICATION AND VERIFICATION IN VARIOUS RUGGED ENVIRONMENTS.

BIOMETRIYA BMBT 20 IS AN ANDROID 9 RUGGED TABLET WITH RICH FEATURES SUCH AS A POWERFUL QUALCOMM CPU, 8 INCH HIGH-DEFINITION LED SCREEN, HF RFID/NFC, AND FINGERPRINT RECOGNITION CAPACITY INDOORS AND OUTDOORS. IT IS A STATE-OF-THE-ART, EASY DEPLOYMENT SOLUTION READILY INCREASING PRODUCTION FOR RETAIL, WAREHOUSING AND LOGISTICS, NATIONAL/CITIZEN IDENTITY VERIFICATION, SIM CARD DISTRIBUTION, AND SO MUCH MORE.

THE POSSIBILITIES ARE ENDLESS.....



## PHYSICAL SPECIFICATION

DIMENSIONS	250.8 x 152.0 x 15.0 mm / 9.87 x 5.98 x 0.59 in.
WEIGHT	700 g / 24.69 oz. (for standard version)
DISPLAY	8" IPS LTPS 1920 x 1200 / IPS LTPS 1280 x 800
TOUCH PANEL	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
POWER	Main battery: Li-ion, rechargeable, 8000 mAh Standby: over 500 hours Continuous use: over 10 hours (depending on user environment) Charging time: 5-7 hours (with standard AC adaptor and USB cable)
EXPANSION SLOT	1 slot for Micro SIM card, 1 slot for Micro SIM / TF card, Optional dual PSAM card slots
INTERFACES	USB 2.0 Type-C, OTG
SENSORS	Accelerometer sensor, light sensor, proximity sensor, geomagnetic sensor; gyroscope
NOTIFICATION	Sound, LED indicator
AUDIO	1 microphone; 1 speaker; receiver

## COMMUNICATION SPECIFICATION

WLAN	Support 802.11 a/b/g/n/ac/d/e /h/i/k/r/v, 2.4G/5G dual-band, IPV4, IPV6; Fast roaming: PMKID caching, 802.11r, OKC; Operating Channels: 2.4G(channel 1~13), 5G(channel 36,40,44,48,52,56,60,64,100,104, 108,112,116,120,124,128, 132,136,140,144, 49,153,157,161,165),Depends on local regulations; Security and Encryption: WEP, WPA/WPA2-PSK(TKIP and AES), WAPI- PSK—EAP-TTLS, EAP-TLS, PEAP-MSCHAPv2, PEAP-LTS, PEAP- GTC, etc.
WWAN (EUROPE, ASIA)	2G: 850/900/1800/1900MHz, GPRS, EDGE 3G: CDMA EVDO: BC0 TD-SCDMA: B34/B39 WCDMA: B1/B5/B8 4G: TDD-LTE: B34/B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B7/B8/B20
WWAN (AMERICA)	3G: WCDMA: B2/B4/B5 4G: FDD-LTE: B2/B4/B5/B7/B12/B13/B17/B28A/B28B
Vo-LTE	Support Vo-LTE HD video voice call
BLUETOOTH	Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR
GNSS	GPS/AGPS, GLONASS, Galileo, internal antenna

## DATA COLLECTION SENSORS SPECIFICATION

REAR CAMERA	13 Mega pixels
FRONT CAMERA	8 Mega pixels
CONTACT CARD READER (OPTIONAL)	ISO 7816
1D SYMBOLOGY	Multiple 1.5 m / 4.92 ft. drops to concrete across the operating temperature range
2D SYMBOLOGY	500 x 0.5 m / 1.64 ft falls at room temperature
RFID-UHF (OPTIONAL)	865- 868 MHz / 920- 925 MHz / 902- 928 MHz
NFC/HF	Frequency: 13.56 MHz Protocol: ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc. Chips: M1 card (S50, S70), CPU card, NFC tags. Range: 2- 4 cm
FINGERPRINT	FAP 20, FAP 30 (Optional)

## OPERATING SYSTEM SPECIFICATION

OS	Android 9 and above
SUPPORTED MDM	AirWatch
SDK	Available
LANGUAGE	JAVA
TOOL	Eclipse / Android Studio

## USER ENVIRONMENT SPECIFICATION

OPERATING TEMP.	-4 oF to 122 oF / -20 oC to 50 oC
STORAGE TEMP.	-40 oF to 158 oF / -40 oC to 70 oC
HUMIDITY	5% RH - 95% RH noncondensing
DROP	Multiple 1.5 m / 4.92 ft. drops to concrete across the operating temperature range
TUMBLE	500 x 0.5 m / 1.64 ft falls at room temperature
SEALING	IP65 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge



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