



Ruggbo 20 R

FAP20 HANDHELD

Ruggbo Range

Product Description

The BioRugged Ruggbo 20 R is the next chapter in affordable rugged IP65 mobile biometrics. Modern technology designed to survive in the real world. Key features on the Ruggbo 20 R include the Suprema Biomini Slim 2 FIPS20/ PIV / ANSI optical fingerprint reader, 5.5inch Sun readable screen, 10.000mAh removable battery with charge cradle(RJ45), 3/32GB Ram, 13MP dual Flash ICAO compliant camera, hand strap, stylus, and Honeywell 2D barcode reader.

With a fully secure Android 7.1 / 9 with integrated SAM/SIM the Ruggbo 20 R creates unlimited possibilities for registration and verification purposes.

Options include a chip card reader and MIFARE NFC/RFID, thus allowing it to be used in law enforcement, election enrollment / voter verification , construction and many other areas.

The BioRugged Ruggbo 20 R is a leap forward in what is possible to be carried in one hand.



Highlights

- Qualcomm ARM Octa-core CPU @ 2.0Ghz / 64-Bit
- Independent GPU Qualcomm Adreno
- 5,5" IPS Full-HD multi-touch display 5 MP front camera
- 5MP+13MP
- Dual Sim (1 x normal & 1 x micro)
- Communications: GSM/GPRS/EDGE/3G/4GLTE/Bluetooth, 4.1/Wi-Fi
- Built-in microphone, loudspeaker, and headphone jack
- Suprema BioMini Slim 2 FBI/PIV/FAP20
- Optional 2D Barcode Reader



Fingerprint



NFC



Android



CONNECTIVITY
(4G WIFI BLUETOOTH)



SMART CARD
READER



GPS



Camera



Rugged



Barcodescanner



Barcodescanner

General

- OS
Android 7.1 / 9
- GPU
Qualcomm Adreno 405
- Internal Memory
2 GB RAM & 16 GB ROM
Optional up to 4 GB / 64 GB
- Display
5.5" FHD IPS Multi-Touch
Sunlight readable
- Battery
3.6V/10000mAh
• Talk time: Up to 24 hours
• Stand-by: Up to 120 hours
- Dimensions
218.0 x 92.0 x 40.0 mm
8.58 x 3.62 x 1.57 inch
- Certificate compliant
CE, FCC, RoHS / REACH
SAR 0.41 W/kg (head) 0.62 W/kg (body)
- Ruggedness
IP65
Improved resistance to drop (withstands multiple drops from 1.5m)

Operative

- Back Camera
13 MP with autofocus
• Dual LED flash system
- Front Camera
5 MP
- Smart Card Reader
ISO/IEC 7816
Class A / B / C
- 2D barcode reader
N6603:HONEYWELL 1/2D + MRZ Reader
(Optional)
- Contactless Card Reader
NFC, MiFare (ISO/IEC 1443 A/B,
ISO15694)optional HID iClass(R) Seos(R)
- Hard Pointed Stylus (Optional)
Smooth, precise signature capture
- Weight
About 500g (17.64 oz) with battery
- Accessories
Battery charger with USB data/charge cable
- Fingerprint scanner
Suprema BioMini Slim 2
(FBI/PIV/FAP20)

Communications

- Communications
GSM 900/1800, WCDMA 900/2100
4G-LTE, 3G, 2G, WCDMA, UMTS,HSDPA
- Sim Card
Dual SIM or SIM/PSAM
- GPS
AGPS & GPS
- Bluetooth
4.1 (Low Energy)
- WiFi
802.11 a/b/g/n/ac
- Micro SD Slot
Up to 32 GB (micro SDHC)
Up to 128 GB (micro SDXC)
- Cradle (Optional)
Simultaneous charging of device and up to 2 batteries (not included)
RJ 45 LAN port & 2 x USB
- Ports
1 x Type-C USB
- Temperature range
Operating: 0° to 65°C (32° to 149°F)
Storage: 10° to 70°C (14° to 158°F)



About Us

BioRugged(TM) specializes in biometric systems with a strong focus on durability, ease of use and mobile devices. Our devices are rugged and affordable for both rural and urban deployment. Our solutions range from handheld systems to custom-built, mobile enrollment kits.



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