

BIO SLED A10

Multi-modal

Biometric & Biographic Data Capture

- All functions are optional (Mix-and-match is available)



Fingerprint
FAP20/30/45



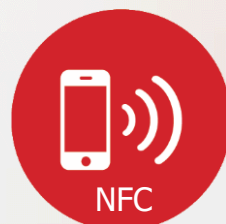
Dual Iris Reader



Facial Recognition Camera



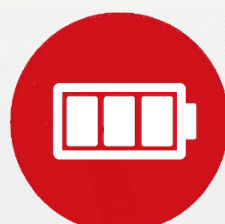
Contact Smartcard
Reader



Contactless Smartcard
Reader



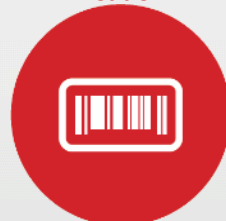
HID Dual frequency
RFID Reader



6700mA Battery
Charge to Smartphones



MRZ(OCR)



1D/2D Barcode Scanner



MSR



Medical-Grade
Thermometer



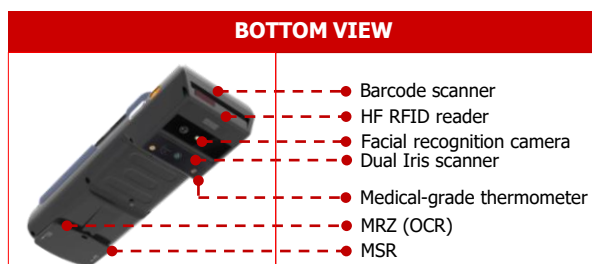
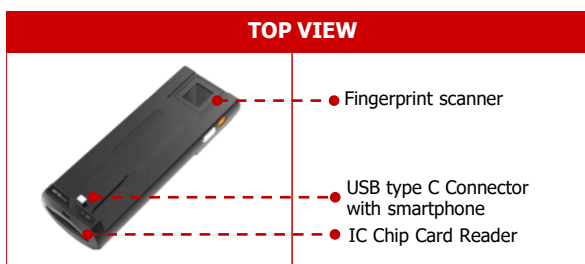
Key Features

- Compatible with Android Smartphones & Galaxy Tab
- FAP 20/30/45 fingerprint reader FBI certified
- High speed dual Iris capture (Standards compliant)
- 13MP camera supporting face recognition
- Contact smartcard reader ISO 7816 compliant
- NFC optimized for ePassport and eID chip reading
- HID OMNIKEY 13.56 HF / 125K LF RFID reader
- MRZ reader ICAO compliant
- High speed 1D/2D barcode scanner
- Magnetic Stripe Reader
- Medical grade thermometer for human use
- 6700mAH High capacity battery
- Compact and robust design

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Specification

Data Capture Technology		General Characteristics	
Fingerprint (one finger)	IB DANN0 FAP30, FBI PIV 071006 / FIPS 201 Certified (IB Sherlock FAP45 / Suprema FAP20 : Optional) Sensor : Light-emitting sensor (LES) TFT camera Resolution : 500 ppi / Gray Scale : 256 grayscale Image Size : 400 x 500 pixels / Speed : > 10 FPS	Compatible Smartphones	Android smartphones and Galaxy Tab Galaxy Tab and Fingerprint module can not be used at the same time.
Dual Iris Scanner	Sensor : 5MP B&W CMOS sensor Range : 270±10mm / Resolution : Above 300 pixel/cm Illumination : IR LED / Image : 2592 x 920 x 30 frame	Battery	6700mAh Li-Polymer
Camera	13MP auto focus with LED flash / controlled by Gen2wave SDK Optimized for photo and video shooting, facial recognition	Dimensions	80mm(W)x 230mm(L)x 45mm maximum thickness / 28mm(D) minimum thickness 3.1 inch (W) x 9.0 inch (L) x 1.7inch max. / 1.1inch min. (D)
IC Chip Card Reader	IC Chip Card Reader : ISO 7816 compliant	Weight	430g (15 oz) All technologies included
RFID (HF 13.56MHz)	ISO 14443A/B part 1-4 Mifare Classic Optimized for e-Passport and eID card RFID chip reading 1 SAM slot	Buttons	3 buttons on the A10 sides. (2 programmable keys / One power key)
HID RFID Reader	HID OMNIKEY 13.56 MHz HF / 125 KHz LF RFID HF Transmit Frequency 13.56 MHz +/- 50 ppm Smart Card Technologies: ISO14443A/B ISO15693, FeliCa™ (IDm), CEPAS (CSN)	LED	2 LED : charging / power status
MRZ (OCR)	Machine Readable Passports (MRP), Visas (MRV) ICAO 9303 & ISO/IEC 7501-1 (2 & 3-line MRZ) US and international resident permits, Natinal ID cards ISO/IEC 18013-1 Driving Licenses (1-line MRZ)	Smartphone Connect	USB Type C (male)
Barcode Scanner	High performance 1D/2D Imager	Connection	USB Type C (female) for charger connection and for connecting to other equipment
MSR	Reads magnetic cards complying with ISO7811/2-5	Communication	C type USB host / client
Thermometer	High precision non-contact temperature measurements Ideal distance is around 3cm (1.2inch) High accuracy of 0.5°C (32.9°F) in a wide temperature range Measurement resolution of 0.02°C (32°F)	Charging	High-speed charging : 5~12V, 1.5A (Smartphone & A10) Qualcomm quick charge 3.0 supported When the A10 is off, : A10's battery support (charge) smartphones : Smartphones and A10 can be charged simultaneously
		User Environment	
		Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
		Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
		Humidity	Non-condensing, 93%
		Drop & IP sealing	1.2m (w/o smartphone) , IP54 (w/ cover to smartcard reader)
		Supported Software	
		Smartphone OS	Android 9.0 or higher
		Development Tools	Android studio, Eclipse
		Development SDK	With Java SDK : Barcode scanner, MRZ, MSR, Fingerprint, Smart card, Iris, RFID, Temperature Measurement, Camera



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