

BIO SLED A10

IP64 Rated - Multi-modal *Biometric & Biographic Data Capture Sled*

• All functions below can be mixed and matched -



Fingerprint
FAP30/FAP20



Dual Iris Reader



13MP
Facial Recognition Camera



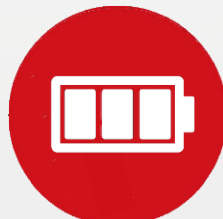
Contact Smartcard
Reader



NFC
Contactless Smartcard
Reader



HID
Dual frequency
RFID Reader



6700mA Battery



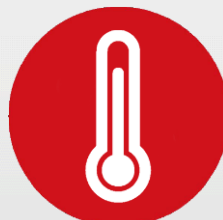
MRZ(OCR)



1D/2D Barcode Scanner



MSR



Medical-Grade
Thermometer



Key Features

- Compatible with SAMSUNG® Galaxy smartphones and any Android smartphone or tablet
- FBI certified - FAP30/20 fingerprint reader
- High speed dual iris capture
- 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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Specifications


Data Capture		Data Capture	
Fingerprint (one finger)	IB DANNO FAP30 TFT PIV Certified (Suprema FAP20 : Optional) Sensor : Light-emitting sensor (LES) TFT camera Resolution / Gray Scale : 500 ppi / 256 grayscale Imager Size / Speed : 400 x 500 pixels / > 10 FPS	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)
Dual Iris Scanner	Sensor : 5MP B&W CMOS sensor Range / Resolution : 320±40mm / Above 160 pixel/cm Illumination / Image : IR LED / 2592 x 920 x 30 frame	General Characteristics	
Camera	13MP auto focus with LED flash / controlled by Gen2wave SDK Optimized for photo and video shooting, facial recognition	Compatible Smartphones	Samsung Galaxy smartphones and Tab Galaxy Tab if fingerprint reader is not required (Any android devices supported by Otterbox uniVERSE cases)
Contact Smart Card Reader (NFC)	Contact type smart card reader : ISO 7816 compliant ISO 14443A/B part 1-4 Mifare Classic Optimized for e-Passport and eID card RFID chip reading 1 SAM slot	Battery	6700mAh Li-Polymer
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) Supported Credentials & IC's : MIFARE Classic®, MIFARE DESFire® 0.6, MIFARE DESFire® EV1, HID: iCLASS® Standard/SE/SR/Seos; PIV II, Secure Identity Object™ (SIO) Transmission Rate Up to 848 kb/s (depending on IC & OS) LF Transmit Frequency 125 kHz +/-1 kHz Supported Credentials HID Prox, Indala Prox Global Certifications UL Recognition (Recognized Component) to UL294 for the USA and CSA C22.2 No. 205 for Canada. CE, FCC 47 Part 15 modular approval, RoHS, WEEE Government Approvals FIPS 201 PIV II with inclusion on GSA APL	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 / 1.1inch (D)
MRZ (OCR)	ID1, ID2 and ID3 document type ID cards, Passports, visas, Driver's Licenses ICAO 9303, ISO/IEC 7501-1, ISO 18013-3	Weight	430g (15 oz) All technologies included
Barcode Scanner	High performance 1D/2D Imager	Buttons	3 buttons on the A10 sides. (2 programmable keys / One power key)
MSR	Reads magnetic cards complying with ISO7811/2-5	LED	2 LED : charging / power status
		Smartphone Connect	USB Type C (male)
		Smartphone Positioning	Otterbox uniVERSE case with slot and slide
		Connection	USB Type C (female) for charger connection and for connecting to other equipment
		Communication	C type USB host / client
		Charging	High-speed charging : 5~12V, 1.5A (Smartphone & A10) Qualcomm quick charge 3.0 supported When the A10 is off: -A10's battery can charge a smartphone separately -A smartphone 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 Test and IP Rating	Rated for multiple 1.5-meter drops onto concrete – IP64
		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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