Gen2Wave
A10 Bio Sled
Specifications

	Description
Fingerprint (one finger)	IB DANNO FAP30 TFT PIV Certified (Suprema FAP20: Optional) Sensor: Light-emitting sensor (LES) TFT camera Cortex A53 Quad core 1.4Ghz
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
Camera	13MP auto focus with LED flash / controlled by Gen2wave SDK Optimized for photo and video shooting, facial recognition
Contact Smart Card Reader	Contact type smart card reader : ISO 7816 compliant
NFC	ISO 14443A/B part 1-4 Mifiare Classic Optimized for e-Passport and eID card RFID chip reading 1 SAM slot
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
MRZ (OCR)	ID1, ID2 and ID3 document type ID cards, Passports, visas, Driver's Licenses ICAO 9303, ISO/IEC 7501-1, ISO 18013-3
Barcode Scanner	High performance 1D/2D Imager

	Description
MSR	Reads magnetic cards complying with ISO7811/2-5
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)
	General Characteristics
Compatible Smartphones	Samsung Galaxy smartphones and Tab Galaxy Tab if fingerprint reader is not required (Any android devices supported by Otterbox uniVERSE cases)
Battery	6700mAH Li-Polymer
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)
Weight	430g (15 oz) All technologies included
Buttons	3 buttons on the A10 sides. (2 programmable keys / One power key)
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

Description	
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 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	1.5m (w/o smartphone) , IP64 (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