

ARKLITE™ Biometrics

8" & 10" Biometric Tablets

AMREL®
Pioneering Customized Rugged Solutions

Advanced touchless mobile fingerprint capture

High-quality, 500ppi fingerprint capture with your tablet's camera on-the-go



10" Model: MB16



8" Model: MB86

Touchless fingerprint capture from ARKLITE's semi-rugged Android tablets. Available in 8" or 10", the tablets are SlapShot-certified and compatible with Slapshot SDK from Integrated Biometrics, who provides the industry's leading professional-grade, contactless fingerprint capture software for smartphones and tablets.

World's First SlapShot-Certified Tablets

World's first semi-rugged Android tablet devices are SlapShot-certified. Equipped with a high-resolution 13MP rear camera and LED flash, ARKLITE biometric tablets are designed to capture high-quality fingerprints and built rugged for everyday use.

Thin & Light

Conventional fingerprint scanning requires connecting a wire to a computer. With SlapShot software, your load just got lighter. Take your tablet on-the-go knowing you can capture fingerprints anytime, anywhere.

Multimodal Device

Fingerprints can now be captured by advanced software that enables the tablet's 13MP high-resolution camera to generate 500ppi fingerprint images with quality capable of precise identification. Facial recognition and metadata supplement the identification process for any potential suspect or person of interest.

Alternative to Wired Sensor

If you prefer cable-free sensors, this tablet is perfect for you. Forget connecting a USB cable to use the fingerprint sensor. Installed on your tablet, the app is ready to go with a simple touch.

Rugged & Affordable

Tired of breaking devices? Or considering switching to rugged? Wait no more.

ARKLITE devices are built to be rugged to withstand accidental drops and extreme hot/cold environments without a high price tag.

Built to MIL-STD 810G and IP-65 rating, this semi-rugged tablet is built for daily use and will not disappoint.

SPECIFICATIONS | ARKLITE™ 8" & 10" MOBILE BIOMETRIC TABLETS

Model	MB86 (8" Android Tablet)	MB16 (10" Android Tablet)				
Operating System	Android 10	Android 10/11				
CPU	ARM® Cortex-A53 Octa-Core, Up to 2GHz	ARM® Cortex-A53 Octa-Core, Up to 2.0GHz				
Memory	4GB LPDDR3 RAM	4GB DDR3L RAM				
Storage	64GB eMMC	64GB eMMC				
Display	<ul style="list-style-type: none"> • 8" WXGA (800 x 1280, 16:10) IPS LCD, 450 nits • 5-point capacitive touchscreen 	<ul style="list-style-type: none"> • 10.1" WXGA (1280 x 800; 16:10) IPS LCD, 450 nits • Multi-touch capacitive touchscreen 				
Graphic	Adreno 506	Adreno 506				
Control Button	<ul style="list-style-type: none"> • Barcode trigger x 1 • Power x 1, volume x 2 	<ul style="list-style-type: none"> • Barcode trigger x 1 • Power x 1, volume x 2 				
Communication	<ul style="list-style-type: none"> • Wi-Fi 802.11 a/b/g/n/ac • Bluetooth V4.1 (BLE) • GNSS (GPS/Glonass) • 4G LTE (Frequency: LTE B1, B3, B5, B7, B8, B20, B38~B41) 	<ul style="list-style-type: none"> • Wi-Fi 802.11 a/b/g/n/ac • Bluetooth V4.1 (Class 1.5) • GNSS (GPS/Glonass) • 4G LTE (Band: B1, B3, B5, B7, B8, B20, B38~B41) 				
Camera	<ul style="list-style-type: none"> • 5MP front camera • 13MP rear camera with LED flash 	<ul style="list-style-type: none"> • 5MP front camera • 13MP rear camera with LED flash 				
Data Collection	<p>Standard:</p> <ul style="list-style-type: none"> • NFC <p>Optional:</p> <ul style="list-style-type: none"> • 1D or 2D barcode reader 	<p>Standard:</p> <ul style="list-style-type: none"> • NFC <p>Optional:</p> <ul style="list-style-type: none"> • 1D or 2D Barcode Reader • Fingerprint Reader 				
Sensor	Gravity, light, magnetometer, gyro	Gravity, light, magnetometer, gyro				
Power Adapter	AC 100V~240V, 50~60Hz Output; DC: 5V/3A	AC 100V~240V, 50~60Hz Output; DC: 5V/3A				
Battery	<ul style="list-style-type: none"> • Standard : 8500mAh, 3.7V Built-in Li-Ion polymer battery Battery operation*: ~7 hours <p style="font-size: small; margin-top: 5px;">**The listed battery life is tested with default 400 lumens, 50% volume, & 1080P HD video.</p>	<ul style="list-style-type: none"> • Standard : 10000mAh, 3.7V Removable Li-Ion battery Battery operation*: ~12 hours <p style="font-size: small; margin-top: 5px;">**The listed battery life is tested with default 400 lumens, 50% volume, & 1080P HD video.</p>				
I/O Interface	<table style="width: 100%; border: none;"> <tr> <td style="border: none; vertical-align: top;"> <ul style="list-style-type: none"> ▪ USB 3.0 (Type A) x 1 ▪ USB Type C (OTG) x 1 ▪ HDMI 1.4a (Type C) x 1 ▪ Audio jack (headphone/mic combo) x 1 ▪ DC-in x 1 </td> <td style="border: none; vertical-align: top;"> <ul style="list-style-type: none"> ▪ SIM x 1 ▪ Micro SD (SDHC/SDXC support; max: 128GB) x 1 ▪ Docking connector (12-pin) x 1 </td> </tr> </table>	<ul style="list-style-type: none"> ▪ USB 3.0 (Type A) x 1 ▪ USB Type C (OTG) x 1 ▪ HDMI 1.4a (Type C) x 1 ▪ Audio jack (headphone/mic combo) x 1 ▪ DC-in x 1 	<ul style="list-style-type: none"> ▪ SIM x 1 ▪ Micro SD (SDHC/SDXC support; max: 128GB) x 1 ▪ Docking connector (12-pin) x 1 	<table style="width: 100%; border: none;"> <tr> <td style="border: none; vertical-align: top;"> <ul style="list-style-type: none"> ▪ USB 3.0 (Type A) x 1 ▪ USB Type C (OTG) x 1 ▪ HDMI 1.4a (Type C) x 1 ▪ Audio jack (headphone/mic combo) x 1 ▪ DC-in x 1 </td> <td style="border: none; vertical-align: top;"> <ul style="list-style-type: none"> ▪ Ethernet (RJ45) x 1 ▪ RS-232 x 1 ▪ Micro SD x 1 (SDHC/SDXC support; max: 128GB) ▪ SIM x 1 ▪ Docking connector (12-pin) x 1 </td> </tr> </table>	<ul style="list-style-type: none"> ▪ USB 3.0 (Type A) x 1 ▪ USB Type C (OTG) x 1 ▪ HDMI 1.4a (Type C) x 1 ▪ Audio jack (headphone/mic combo) x 1 ▪ DC-in x 1 	<ul style="list-style-type: none"> ▪ Ethernet (RJ45) x 1 ▪ RS-232 x 1 ▪ Micro SD x 1 (SDHC/SDXC support; max: 128GB) ▪ SIM x 1 ▪ Docking connector (12-pin) x 1
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Dimensions & Weight	8.98" x 5.71" x 0.65" (22.8 x 14.5 x 1.65 cm) 1.58 lbs. (0.715 kg)	11.02" x 7.36" x 0.87" (28 x 18.7 x 2.2 cm) 2.23 lbs. (1.014 kg)				
LED Indicator	Green/Red	Green/Red				
Rugged Features	MIL-STD 810G & IP-67 Certified High/low Temperature, Humidity, & 4-ft drop (1.2 m)	MIL-STD 810G & IP-65 Certified High/low Temperature, Humidity, & 4-ft drop (1.2 m)				
Environment	<ul style="list-style-type: none"> • Operating temperature: 14° F to 122° F (-10° C to 50° C); • Storage temperature: -4° F to 140° F (-20° C to 60° C) • Humidity: 95%, non-condensing 	<ul style="list-style-type: none"> • Operating temperature: -4° F to 131° F (-20° C to 55° C) • Storage temperature: -22° F to 158° F (-30° C to 70° C) • Humidity: 95%, non-condensing 				
Accessories	<p>Included:</p> <ul style="list-style-type: none"> • AC Power Adapter • USB Type C (OTG) cable • USB Type C cable 	<p>Included:</p> <ul style="list-style-type: none"> • AC Power Adapter • USB Type C (OTG) cable • USB Type C cable 				

** Specifications subject to change without notice **