

ARKLITE MB86

SR SERIES | 8" BIOMETRIC TABLET

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Pioneering Customized Rugged Solutions



SPECIFICATIONS - ARKLITE SR-MB86 | 8" SEMI-RUGGED ANDROID BIOMETRIC TABLET

Operating System	Android 9	Sensor	Gravity, light, magnetometer, gyro
CPU	ARM® Cortex-A53, 8-Core, Up to 2GHz	Power Adapter	AC 100V~240V, 50~60Hz Output; DC: 5V/3A
Memory	4GB LPDDR3 RAM	Battery	• Standard : 8500mAh, 3.7V Built-in Li-Ion polymer battery Battery operation*: ~10 hours **The listed battery life is tested with default 400 lumens, 50% volume, & 1080P HD video.
Storage	64GB eMMC	I/O Interface	• USB 2.0 Type A x 1 • USB Type C x 1 • HDMI 1.4a Type C x 1 • Micro SD (SDHC/SDXC support; max: 128GB) x 1 • SIM x 1 • Audio jack (headphone/microphone combo) x 1 • Docking connector (12-pin) x 1 • DC-in x 1
Display	• 8" WXGA (800x1280, 16:10) IPS LCD • 5-point capacitive touch	Dimensions	8.98" x 5.71" x 0.65" (22.8 x 145 x 16.5 cm)
Graphic	Adreno 506	Weight	1.85 lbs. (0.84 kg)
Control Button	• Barcode trigger x 1 • Power x 1, volume x 2	LED Indicator	Green/Orange/Red
Communication	• 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, B39, B40, B41)	Rugged Features	MIL-STD 810G & IP-67 Certified High/low Temperature, Humidity, & 4-ft drop (1.2 m)
Camera	• 5MP front camera • 13MP rear camera with LED flash	Environment	• Operating temperature: 14° F to 122° F (-10° C to 50° C); • Storage temperature: -22° F to 158° F (-30° C to 70° C) • Humidity: 95%, non-condensing
Data Collection	Optional: • NFC • 1D or 2D barcode reader (built-in option) • Fingerprint reader (FAP20 or FAP30)	Accessories	Included: • Power Adapter • USB Type Cable • OTG cable

FINGERPRINT SCANNER	FBI PIV & Mobile ID FAP20 Fingerprint Scanner	FBI PIV & Mobile ID FAP30 Fingerprint Scanner
Technology	Optical	
Resolution	500 PPI	
Platen Area	0.65" (W) x 0.83 (L) 16.5 (W) x 21.0 (L) mm	0.65" (W) x 0.83 (L) 21.5 (W) x 26.5 (L) mm
Sensing Area	0.65" (W) x 0.83 (H) 15.24 (W) x 20.32 (H) mm	0.65" (W) x 0.83 (L) 20.32 (W) x 25.4 (H) mm
Grayscale	256 level	
Image Size	300 (W) x 400 (H) pixels	400 (W) x 500 (H) pixels
Interface	USB2.0 High Speed	
Image Supported Formats	RAW, BMP, WSQ, ISO 19794-4	
OS Support	Windows – XP, Vista, 7, 8, 8.1, 10 32/64-bit • Android – 4.1 (Jelly Bean) and above • Linux – Ubuntu, Debian, Fedora, OpenSUSE, Cent OS 32/64-bit	Windows – 7 or higher (32/64-bit) • Android – 4.1 (Jelly Bean) or higher (USB host) • Linux – Linux Kernel 3.x or higher
Certification	CE, FCC, KC, UL/CB, IEC 62471, WEEE, WHQL	
Environment	Operating Temperature: -10°C ~ +50°C Operating Humidity: 10~90% Relative Humidity	IP-65 (Sensor surface) • Operating Temperature: -10°C ~ +50°C Operating Humidity: 10~90% Relative Humidity

** Specifications subject to change without notice **