MILBOOK®

Android

IP65

GNSS

Dual-battery

NFC

Camera

2D (optional)

4G/5G

WIFI

Bluetooth

MILBOOK® A81

AI Support

Performance

- Qualcomm Kryo™ 670 CPU and the AI-accelerated Qualcomm
- Hexagon™ 770 processor
- Android 14 OS, paired with 8 GB+128 GB of expansive memory
- 8-inch screen, with a high-capacity 10000 mAh battery

Communication

- Integrated with a 5G modem and RF system, it supports mmWave and sub-6 GHz bands
- TDD and FDD modes, and SA and NSA network deployments, covering nearly all critical regions worldwide
- Enhanced wireless connectivity with Wi-Fi 6E, BT5.2

Features

- GPS/GLONASS/Beidou navigation, L1+L5 dual-band positioning
- Supports NFC fast card reading, multiple communication protocols
- Optional QR Code Module, quickly scan various 1D and 2D barcodes

Reliability

- Constructed with wear-resistant materials, shock-absorbing architecture and protective corner design
- Certified with IP65 dust and water resistance
- Rigorously tested to MIL-STD-810H standards, 1.22 m drop protection

Product Six Views

* All technical data, specification and performance figures subject to change without notice.

Specification Parameter

Basic parameters	
Dimension	236.7 x 155.7 x 20.8 mm
Weight	820 g
Device Color	Grey
LCD	8 inch FHD 16:10, 1200x1920, 550 nits Optional: HD, Resolution: 800x1280 Brightness: 1000 nits
Touch Panel	5-point Capacitive Touchscreen, Tempered Glass, G+G, Hardness: 7H
Camera	Front 5.0MP Rear 13.0MP Supports autofocus, with flashlight
I/O Interfaces	USB 3.0 Type-A x1, Type-C (Data&Charging) x1 Nano-SIM x2/Micro SD Supports up to 512GB x1 +Nano-SIM x1 (three-in-one card slot) HDMI x1,12PIN Pogo Pin x1 Φ3.5 mm standard earphone Jack x1 DC Supports 5V/4A Charging x1
Power	Power Input 100-240VAC0.5A50/60Hz DC Output 5V/4A
Battery	
Capacity	3.8 V/10000 mAh
Type	Removable Polymer Lithium-ion Battery
Endurance	Above 8 hrs (Default 50% volume, Connected to WiFi, Default 200 nits brightness, Playing 1080P HD video)
RTC	Built-in rechargeable 3 V/1 mAh lithium-ion battery
Data Collection	
NFC	Built-in, 13.56MHz, Supports 14443A/14443B/15693 of ISO/IEC Card reading distance: 0-4 cm
2D	Optional Optical resolution: 5 mil/scan speed: 50 times/s

Performance parameter	
CPU	Octa-core 2.7G ARM
OS	Android 14/GMS
RAM	8 GB LPDDR4x
ROM	128 GB EMMC
Communication	
WIFI	Wi-Fi 6 E& DBS, IEEE 802.11 (a/b/g/n/ac/ax) Wi-Fi 2 × 2 MU-MIMO
Bluetooth	BT5.2(BLE)
2G/3G/4G/5G	5G:SA/ NSA: n1/ 3/ 5/ 7/ 8/ 20/ 28/ 38/ 40/ 41/ 77/ 78/79 4G: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 17/ 18/ 19/ 20/ 26/ 28/ 32/ 34/ 38/ 39/ 40/ 41/ 42 3G: B1/ 2/ 4/ 5/ 6/ 8/ 19 2G: B2/ 3/ 5/ 8
GNSS	Supports: GPS/GLONASS/BDS; Dual-frequency L1 + L5
Reliability	
Working temperature	-20 °C to 60 °C
Storage temperature	-30 °C to 70 °C
Humidity	95% Non-Condensing
Rugged Feature	IP65 certified, MIL-STD-810H certified
Drop Height	1.22 m drop resistance

Application Range

Various modules and accessories can be selected to meet customers' application in various industries.

Outdoor Exploration

Military Equipment

Finance

Animal Husbandry

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