

MILBOOK



AI Support



RUGGED MOBILE COMPUTERS



Windows



Android



GPS



Dual-battery



Fingerprint



Camera



NFC



4G/5G



WIFI



Bluetooth



2D



IP65

AP-FLYER Sp. z o. o., Zeganska 2d St., 04-713 Warsaw, Poland
Tel: +48 22 613 0487, Fax: +48 22 613 0612
www.milbook.pl, e-mail: info@milbook.pl



Basic parameters	MILBOOK R14U Notebook	MILBOOK R15U Notebook	MILBOOK F10 Tablet	MILBOOK F20 Tablet	MILBOOK F40 Tablet	MILBOOK A81 Tablet	MILBOOK A16 Tablet
Dimension	363.2 x 287.4 x 42.1 mm	407 x 305.8 x 45.5 mm	289.9 x 196.7 x 27.4 mm	339.3 x 230.3 x 26 mm	366.2 x 246.9 x 24.8 mm	236.7 x 155.7 x 20.8 mm	280.4 x 187 x 26.6 mm
Weight	TBD	TBD	1140 g	1500 g	TBD	820 g	1014 g
Device Color	Black	Black	Black	Black	Black	Grey	Black
LCD	14" FHD IPS 16:9, 1920x1080, 1000 nits	15.6" FHD IPS 16:9, 1920x1080, 1000 nits	10.1" FHD IPS 16:10, 1920x1200, 700 nits	12" FHD IPS 16:10, 1920x1200, 700 nits	14" LCD 16:9, 1920×1080, 1000 nits	8" FHD 16:10, 1200x1920, 550 nits	10.1" IPS 16:10, 800x1280/1200x1920
Touch Panel	Optional 10-Point Capacitive Screen G+G Corning Gorilla Glass	Optional 10-Point Capacitive Screen, G+G Corning Gorilla Glass; Hardness above 7H	10 points Capacitive, G+G Corning Gorilla Glass	10 points Capacitive, G+G Corning Gorilla Glass	10 point G+G capacitive touch screen	5-point Capacitive Touchscreen Tempered Glass, G+G, Hardness: 7H	10 point G+G capacitive touch screen Corning Gorilla Glass
Front 2.0 MP	Front 5.0 MP	Front 5.0 MP	Front 2.0 MP; Rear 8.0 MP	Front 2.0 MP; Rear 8.0 MP	Front 5.0 MP (USB), Rear 13.0 MP	Front 5.0 MP, Rear 13.0 MP	Front 5.0 MP; Rear 13.0 MP
I/O	USB3.2 x1, USB3.0 x1, USB2.0 x1 TYPE-C, Support Thunderbolt 4 Φ3.5 mm Standard Earphone Jack x1 HDMI 2.0a mini x1; SIM x1; TF x1 RJ45 x1 10M/100M/1000M adaptive RJ45 x1 10M/100M/1000M adaptive (USB 2.0) Supports Gigabit Protocol RS232 *1,9 fully functional lines DC19V/3.78 A Φ5.5 mm Power port x1 12PIN Pogo Pin (USB & Charging) x1 Anti-theft Lock Slot x1	USB3.2 x1, USB3.0 x1, USB2.0 x1 TYPE-C, Support Thunderbolt 4 Φ3.5 mm Standard Earphone Jack x1 HDMI 2.0a mini x1; SIM x1; TF x1 RJ45 x1 10M/100M/1000M adaptive RJ45 x1 10M/100M/1000M adaptive (USB 2.0) Supports Gigabit Protocol RS232 x1,9 fully functional lines DC19V/3.78 A Φ5.5 mm Power port x1 12PIN Pogo Pin (USB & Charging) x1 Anti-theft Lock Slot x1	USB 3.0 x1, Type C x1, SIM Card x1 SD Card x1, HDMI 1.4a x1 12pins Pogo Pin x1 Φ3.5 mm standard earphone Jack x1 Φ5.5 mm DC Jack x1	USB 3.0 x1, Type C x1, SIM Card x1 SD Card x1, HDMI 1.4a x1 12pins Pogo Pin x1 Φ3.5 mm standard earphone Jack x1 Φ5.5 mm DC Jack x1	USB 3.2 x1, USB 3.0 x1, USB2.0 x1 Type-C x1, Supports Thunderbolt 4 SIM card x1, TF card x1, HDMI 2.0 Mini x1 RJ45 x1 10M/100M/1000Madaptive Supports Gigabit Protocol RJ45 x1 10M/100M/1000Madaptive RS232 x1, 9 fully functional lines Φ3.5 mm Standard Earphone Jack x1 DC 19V 4.73A Φ5.5 mm Power port x1 12PIN Pogo Pin (USB & Charging) x1	USB 3.0 Type-A x 1, Type-C (Data&Charging) x1 Nano-SIM x 2/Micro SD Supports up to 512GB x1 +Nano-SIM x 1 (three-in-one card slot) HDMI x1, 12PIN Pogo Pin x1 Φ3.5 mm standard earphone Jack x1 DC Supports 5V/4A Charging x1	HDMI 1.4a x1, USB 3.0 Type-A x1 USB Type-C x1, SIM Card x1, SD Card x1 12pins Pogo Pin x1, DB9 RS232 x1 RJ45 x1 Φ3.5 mm standard earphone Jack x1 Φ3.5 mm DC Jack x1
Power	AC100V ~ 240V, output DC 19V/3.42A/65W	AC100V ~ 240V, output DC 19V/3.42A/65W	AC100V ~ 240V, output DC 19V/3.42A/65W	AC100V ~ 240V, output DC 19V/3.42A/65W	100~240V Input 19V4.73A/90W	Power Input 100-240VAC0.5A50/60Hz DC Output 5V/4A	AC100V ~ 240V, 50Hz/60Hz, output DC 5V/3A
GPS	Built-in GPS, glonass	Built-in GPS, glonass	Built-in GPS, glonass	Built-in GPS, glonass	Built-in GPS, glonass	Built-in GPS, glonass	Built-in GPS, glonass
Fingerprint	Built-in x1 SPI Fingerprint (Power-On Login)	Built-in x1 SPI Fingerprint (Power-On Login)	SPI Fingerprint (Windows Hello boot login)	SPI Fingerprint (Windows Hello boot login)	Standard	_____	Optional, FPC1020
NFC	Optional, NXP300	Optional, NXP300	Built-in NXP100	Built-in NXP100	Built in, USB interface, supports protocols ISO14443A, ISO14443B, IOS15693 ISO18092, Felica	Built-in, 13.56MHz Supports 14443A/14443B/15693 of ISO/IEC Card reading distance: 0-4 cm	Built-in, ISO/IEC 14443A
Battery							
Capacity	4850 mAh/56 Wh+1300 mAh/14.4 Wh dual battery	4850 mAh/56 Wh+1300 mAh/14.4 Wh dual battery	7.4 V/5000 mAh	7.4 V/6300 mAh	4850 mAh/11.55V, 56Wh	10000 mAh/3.8 V	10000 mAh/3.7 V
Type	Polymer Lithium-ion Battery	Polymer Lithium-ion Battery	Removable Li-polymer battery	Removable Li-polymer battery	Built-in Polymer Lithium-ion Battery	Removable Polymer Lithium-ion Battery	Removable Li-polymer battery
Endurance	8 hrs (Playing 1080P HD video, Conditions: System in balance mode, 30% brightness, 320 lumens, 30% volume (70 dB at 10 cm)	8 hrs (Playing 1080P HD video, Conditions: System in balance mode, 30% brightness, 320 lumens, 30% volume (70 dB at 10 cm)	6 hrs (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)	4 hrs (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)	8 hrs (1080P video playing with system in balanced mode, 320 nits screen brightness, 70db volume at 10cm, and WiFi/BT turned off)	Above 8 hrs (Default 50% volume, Connected to WiFi, Default 200 nits brightness, Playing 1080P HD video)	12 hrs (default 50% volume, default 200 nits, play 1080P HD video)
Bridge battery	1300 mAh/11.1V (14.4Wh) 1.5 hrs (Default 50% volume, 200 lumens brightness, playing 1080P HD video)	1300 mAh/11.1V (14.4Wh) 1.5 hrs (Default 50% volume, 200 lumens brightness, playing 1080P HD video)	700 mAh, Li-polymer battery, Endurance 30 mins	700 mAh, Li-polymer battery, Endurance 30 mins	1300 mAh/11.1V, 14.4Wh 1.5 hrs (Default 50% volume, 200 lumens brightness, playing 1080P HD video)	_____	_____
PERFORMANCE PARAMETER							
CPU	Intel Meteor Lake-H I5 125 H	Intel Meteor Lake-H I5 125 H	Intel® Core™ i5-1235U/i7-1255U	Intel® Core™ i5-1235U/i7-1255U	Intel® Core™ Ultra 5 processor 125H	Octa-core 2.7G ARM	Qualcomm (OCTA Core), 2.0GHz
OS	Windows 11 Pro	Windows 11 Pro	Windows 11	Windows 11	Windows 11/10	Android 14/GMS	Android 10/GMS
RAM	16GB DDR5 (4800 MHz) Optional: 32/64GB DDR5	16GB DDR5 (4800 MHz) Optional: 32/64GB DDR5	16GB up to 64GB DDR4L	16GB up to 64GB DDR4L	16GB, optional 32GB	8GB LPDDR4x	4GB
ROM	256/512/1024GB SSD	256/512/1024GB SSD	128/256/512GB	128/256/512GB	256/512/1024 GB	128GB EMMC	64GB
NETWORK CONNECTIONS							
WIFI	Wi-Fi 6 802.11 (a/b/d/e/g/h/i/k/n/r/u/v/w/ac/ax)	Wi-Fi 6 802.11 (a/b/d/e/g/h/i/k/n/r/u/v/w/ac/ax)	Wi-Fi 6, 2.4G+5.8G dual frequency 802.11 (a/b/d/e/g/h/i/k/n/r/u/v/w/ac/ax)	Wi-Fi 6, 2.4G+5.8G dual frequency 802.11 (a/b/d/e/g/h/i/k/n/r/u/v/w/ac/ax)	Wi-Fi 6, 2.4G+5.8G dual frequency 802.11 (a/b/d/e/g/h/i/k/n/r/u/v/w/ac/ax)	Wi-Fi 6 E& DBS IEEE 802.11 (a/b/g/n/ac/ax) Wi-Fi 2 x 2 MU-MIMO	2.4G+5G dual frequency WIFI 802.11 (a/b/g/n/ac)
Bluetooth	BT5.1 (BLE) class 1 Function	BT5.1 (BLE) class 1 Function	BT5.1	BT5.1	BT5.1 (BLE)	BT5.2 (BLE)	BT4.1
4G/5G	4G European Standard LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41	4G European Standard LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41	LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8, GSM: B3/B8	LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8, GSM: B3/B8	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 WCDMA: B1/8	4G/5G 5G:SA/NSA: n1/3/5/7/8/20/28/38/40/41/77/78/79	CMCC 4M: LTE B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 WCDMA B1/B2/B5/B8, GSM B2/B3/B5/B8
RELIABILITY							
Operate Temperature	-20 °C to 60 °C	-20 °C to 60 °C	-20°C ~ 60°C	-20°C ~ 60°C	-20 °C to 60 °C	-20 °C to 60 °C	-20°C ~ 55°C
Store Temperature	-30 °C to 70 °C	-30 °C to 70 °C	-30°C ~ 70°C	-30°C ~ 70°C	-30°C ~ 70°C	-30°C ~ 70°C	-30°C ~ 70°C
Humidity	95% Non-Condensing	95% Non-Condensing	95% Non-Condensing	95% Non-Condensing	95% Non-Condensing	95% Non-Condensing	95% Non-Condensing
Rugged Feature	IP65 certified, MIL-STD-810H certified	IP65 certified, MIL-STD-810H certified	IP65, MIL-STD-810H certified	IP65, MIL-STD-810H certified	IP65, MIL-STD-810H certified	IP65, MIL-STD-810H certified	IP65, MIL-STD-810H certified
MODULE EXTENSION (5 CHOOSE 1)							
Ethernet interface	_____	_____	RJ45(10/100M) x 1	RJ45(10/100M) x 1	_____	_____	_____
Serial port	_____	_____	DB9(RS232) x 1	DB9(RS232) x 1	_____	_____	_____
USB 2.0	_____	_____	USB 2.0 x 1	USB 2.0 x 1	_____	_____	_____
1D/2D	_____	_____	Honeywell N3680/Optical resolution: 5 mil/scan speed: 50 times/s	Honeywell N3680/Optical resolution: 5 mil/scan speed: 50 times/s	Optional, USB interface, Optical Resolution (Scanning Accuracy): ≥3 mil	Optional, Optical resolution: 5 mil/scan speed: 50 times/s	Honeywell N3680/Optical resolution: 5 mil/scan speed: 50 times/s

Application Range

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



Power Maintenance



Equipment Testing



Automobile Manufacturing



Energy Industry



Industrial manufacturing



Vehicle diagnostics



Medical field



Public security



Outdoor Exploration



Military Equipment



Finance



Animal Husbandry



Certified by independent third-parties for MIL-STD-810H 12.12.01 as well as ANSI/ISA and MIL-STD-461G/461F.



Survived drop tests up to 4 feet (122 cm), rigorous vibration and impact protection tests.



Experience peak performance in extreme temperatures, whether in freezing cold up to -30°C or extreme hot temperatures of 60°C.



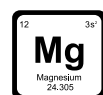
Leading rugged design to increase productivity and efficiency for any conditions.



Certified by independent third-parties for IP65/IP67 ratings.



Unsurpassed thermal solution for continuous work in mission-critical situations.



Designed from the ground up with high-performance materials for full protection.



Dual-battery that allows up to 10 hours of work.