

# MILBOOK



## RUGGED MOBILE COMPUTERS



-  Windows
-  Android
-  GPS
-  Dual-battery
-  Fingerprint
-  Camera
-  NFC
-  4G/5G
-  WiFi
-  Bluetooth
-  2D
-  IP65

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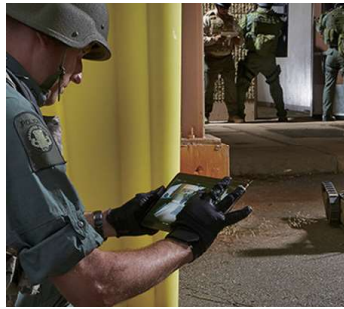
Basic parameters	MILBOOK R13 Notebook	MILBOOK R14 Notebook	MILBOOK R15 Notebook	MILBOOK F10 Tablet	MILBOOK F20 Tablet	MILBOOK A8 Tablet	MILBOOK A16 Tablet
Dimension	322 x 233 x 26mm	363.2 x 287.4 x 42.1mm	407 x 305.8 x 45.5mm	289.9 x 196.7 x 27.4mm	339.3 x 230.3 x 26mm	225.6 x 144.6 x 21.5mm	280.4 x 187 x 26.6mm
Weight	2100 g	2850 g	3300 g	1140 g	1500 g	715 g	1014 g
Device Color	black	black	black	black	black	black	black
LCD	13.3 inch FHD IPS 16:9, 1920*1080	14 inch FHD IPS 16:9, 1920*1080	15.6 inch FHD IPS 16:9, 1920*1080	10.1 inch FHD IPS 16:10, 1920*1200	12 inch FHD IPS 16:10, 1920*1200	8 inch IPS 16:10, 800x1280/1200x1920	10.1 inch IPS 16:10, 800x1280/1200x1920
Touch Panel	Optional 10 points Capacitive, G+G, Corning Gorilla Glass	Optional 10 points Capacitive, G+G, Corning Gorilla Glass	-----	10 points Capacitive, G+G, Corning Gorilla Glass	10 points Capacitive, G+G, Corning Gorilla Glass	5 point G+G capacitive touch screen Corning Gorilla Glass	10 point G+G capacitive touch screen Corning Gorilla Glass
Camera	Front 2.0 MP	Front 2.0 MP	Front 2.0 MP	Front 2.0 MP; Rear 8.0 MP	Front 2.0 MP; Rear 8.0 MP	Front 5.0MP; Rear 13.0 MP	Front 5.0MP; Rear 13.0MP
I/O	HDMI x 1, POGO 5pin x 1(Optional), Type C x 1, USB 3.0 x 3, SIM Card x 1, TF Card x 1, DB9 RS232 x 1, RJ45 x 1, Φ3.5mm standard earphone jack x 1, DC 19V 3.42A x 1	HDMI x 1, POGO 5pin x 1, USB 2.0 x 1, USB 3.0 x 3, SIM Card x 1, SD Card x 1, DB9 RS232 x 1, RJ45 x 2, Φ3.5mm standard earphone jack x 1, DC 19V 3.42A x 1	HDMI x 1, POGO 5pin x 1, USB 2.0 x 1, USB 3.0 x 3, SIM Card x 1, SD Card x 1, DB9 RS232 x 1, RJ45 x 2, Φ3.5mm standard earphone jack x 1, DC 19V 3.42A x 1	USB 3.0 x 1, Type C x 1, SIM Card x 1, SD Card x 1, HDMI 1.4a x 1, 12pins Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1	USB 3.0 x 1, Type C x 1, SIM Card x 1, SD Card x 1, HDMI 1.4a x 1, 12pins Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1	HDMI 1.4a x 1, USB 3.0 Type-A x 1, USB Type-C x 1, SIM Card x 1, SD Card x 1, 12pins Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ3.5mm standard earphone jack x 1, Φ3.5mm DC jack x 1	HDMI 1.4a x 1, USB 3.0 Type-A x 1, USB Type-C x 1, SIM Card x 1, SD Card x 1, 12pins Pogo Pin x 1, DB9 RS232 x 1, RJ45 x 1, Φ3.5mm standard earphone jack x 1, Φ3.5mm DC jack x 1
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	AC100V ~ 240V, output DC 19V/3.42A/65W	AC100V ~ 240V, 50Hz/60Hz, output DC 5V/3A	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	SPI fingerprint (power on login)	SPI fingerprint (power on login)	SPI fingerprint (power on login)	SPI fingerprint (windows hellow boot login)	SPI fingerprint (windows hellow boot login)	-----	Optional, FPC1020
NFC	-----	Optional NXP300	Optional NXP300	Built-in NXP100	Built-in NXP100	Built-in, ISO/IEC 14443A	Built-in, ISO/IEC 14443A
<b>Battery</b>							
Capacity	11.1V/2800mAh x 2	7.4V/6300mAh	7.4V/6300mAh	7.4V/5000mAh	7.4V/6300mAh	3.7V/8500mAh	3.7V/10000mAh
Type	Removable Li-polymer battery	Removable Li-polymer battery	Removable Li-polymer battery	Removable Li-polymer battery	Removable Li-polymer battery	Built in polymer lithium ion battery	Removable Li-polymer battery
Endurance	10 hrs (Default 50% volume, default 200 nit, play 720P HD video)	6.5hrs (Default 50% volume. default 200 nit, play 720P HD video)	6 hrs (Default 50% volume. default 200 nit, play 720P HD video)	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)	8hrs (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)	12hrs(default 50% volume. default 200 nit, play 1080P HD video)
Bridge battery	-----	1750mAh, Li-polymer battery, Endurance 30 mins	1750mAh, Li-polymer battery, Endurance 30 mins	700mAh, Li-polymer battery, Endurance 30 mins	700mAh, Li-polymer battery, Endurance 30 mins	-----	-----
<b>Performance parameter</b>							
CPU	Intel® i5-1135G7/i7-1165G7	Intel® Core™ i5-1135G7/i7-1165G7	Intel® Core™ i5-1135G7/i7-1165G7	Intel® Core™ i5-1235U/i7-1255U	Intel® Core™ i5-1235U/i7-1255U	Qualcomm (OCTA Core), 2.0GHz	Qualcomm (OCTA Core), 2.0GHz
OS	Windows 11	Windows 11	Windows 11	Windows 11	Windows 11	Android 10/GMS	Android 10/GMS
RAM	32GB/64GB DDR4L	32GB/64GB DDR4L	32GB/64GB DDR4L	16GB up to 64GB DDR4L	16GB up to 64GB DDR4L	4GB	4GB
ROM	256GB/512GB/1TB	256GB/512GB/1TB	256GB/512GB/1TB	128GB/256GB/512GB	128GB/256GB/512GB	64GB	64GB
<b>Network connections</b>							
WIFI	WIFI 6, 802.11 (a/b/d/e/g/h/i/k/n/r/t/u/v/w/ac/ax)	WIFI 6, 802.11 (a/b/d/e/g/h/i/k/n/r/t/u/v/w/ac/ax)	WIFI 6, 802.11 (a/b/d/e/g/h/i/k/n/r/t/u/v/w/ac/ax)	WIFI 6, 802.11 (a/b/d/e/g/h/i/k/n/r/t/u/v/w/ac/ax)	WIFI 6, 802.11 (a/b/d/e/g/h/i/k/n/r/t/u/v/w/ac/ax)	2.4G+5G dual frequency, WIFI 802.11 (a/b/g/n/ac)	2.4G+5G dual frequency, WIFI 802.11 (a/b/g/n/ac)
Bluetooth	BT5.1	BT5.1	BT5.1	BT5.1	BT5.1	BT4.1	BT4.1
4G	LTE FDD: B1/B3/B7/B8/B20/B28A, WCDMA: B1/B8, GSM: B3/B8	LTE FDD: B1/B3/B5/B7/B8/B20, LTE TDD: B40, WCDMA: B1/B5/B8, GSM: B3/B8	LTE FDD: B1/B3/B5/B7/B8/B20, LTE TDD: B40, WCDMA: B1/B5/B8, GSM: B3/B8	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	CMCC 4M: LTE B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 WCDMA B1/B2/B5/B8, GSM B2/B3/B5/B8	CMCC 4M: LTE B1/B3/B5/B7/B8/B20/B38/B39/B40/B41 WCDMA B1/B2/B5/B8, GSM B2/B3/B5/B8
<b>Reliability</b>							
Operate Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 55°C	-20°C ~ 55°C
Store Temperature	-30°C ~ 70°C	-30°C ~ 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
IP Grade	IP65	IP65	IP65	IP65	IP65	IP67	IP65
<b>Module extension (5 choose 1)</b>							
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	-----	-----	-----	MOTO SE655E100R/Optical resolution: 5mil/scan speed: 50 times/s	MOTO SE655E100R/Optical resolution: 5mil/scan speed: 50 times/s	MOTO SE655E100R/Optical resolution: 5mil/scan speed: 50 times/s	MOTO SE655E100R/Optical resolution: 5mil/scan speed: 50 times/s
2D	-----	-----	-----	Honeywell N3680/Optical resolution: 5mil/scan speed: 50 times/s	Honeywell N3680/Optical resolution: 5mil/scan speed: 50 times/s	Zebra SE2707/Optical resolution: 5mil/scan speed: 50 times/s	Honeywell N3680/Optical resolution: 5mil/scan speed: 50 times/s

# Application Range

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



Outdoor Exploration



Military Equipment



Finance



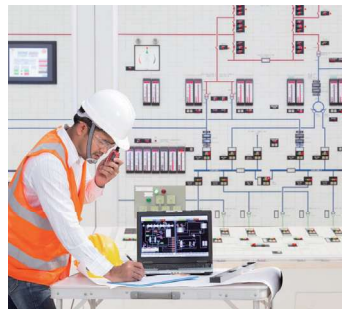
Animal Husbandry



Agricultural Production



Outdoor Work



Equipment Monitoring



Industrial Manufacture



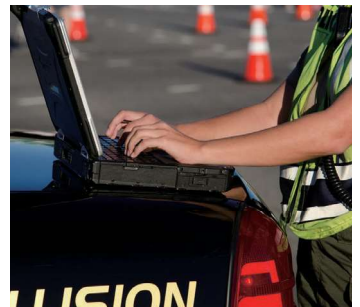
Power Maintenance



Equipment Testing



Automobile Manufacturing



Public Security



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



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



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



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



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



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



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



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