

Rugged mobile PC

M80J (Linux version)

- With the Quad-core Intel JASPER LAKE N5100 processor and Ubuntu operating system, M80J presents an outstanding performance.
- Designed for a rugged, compact and anti-fall body with PC material of backplane, and TPU material of frame, full protection for four corners.
- Full 8-inch IPS display with 700 nits high brightness, and a 5-point touch panel, providing excellent readability for both indoors and outdoors.
- Couple with 7.6V/5000mAh high-capacity detachable battery, M80J ensures a long-lasting stability and easy mobile work for multiple shifts.
- Built-in 2.4GHz and 5GHz dual-band WiFi, providing faster seamless connection in any workplaces.
- Built-in 2G/3G/4G and Bluetooth 5.0 communication modules, capable of multi-satellite running with GPS/Glonass/Beidou, providing accurate navigation and positioning.
- 2D barcode scan engine and NFC modules for options.
- Extensive interfaces such as USB 3.0, Type-C and HDMI 2.0a Mini for diverse applications scenarios.
- Passed the IP65 and MIL-STD-810H test, presenting solid waterproof and dustproof performance in the harsh environment.



				
N5100 processor	Linux OS Operating System	8 inch IPS display	700cd/m ² Brightness	2D barcode scan engine
				
Dual-band WiFi	5000mAh	Front 5.0MP Rear 8.0MP	GPS/GLONASS/Beidou	IP65

M80J rugged mobile PC

Specifications



CPU

N5100 processor



Operating System

Ubuntu-20.4.5



Memory

RAM: 8GB LPDDR4x
ROM: 128GB EMMC



Display

Type: IPS
Size: 8 inch 16:10
Resolution: 800*1280
Brightness: 700cd/m²



Touch Panel

5 points Capacitive



Dimension/Weight

236.7*155.7*20.8mm
818g



Buttons

Power *1 (yellow)
Volume+ *1
Volume- *1
P1 key*1 (HOME key)
F key *1
(Barcode Scanning, connected to GPIO)



Speaker

8Ω/1W Waterproof Speaker *2



Battery

Removable Li-polyment Battery
7.6V/5000mAh



WIFI

WIFI 802.11 a/b/g/n/ac (2.4G+5G)



Bluetooth

BT5.0 (BLE)



WAN

2G/3G/4G



GPS

GPS+GLONASS
+Beidou



NFC

Optional



I/O Interface

USB 3.0 *1 (Type A)
Type C *1 (Data & Charing)
3.5mm Standard earjack *1
TF *1 Max: 512G
SIM card*1
DC 19V 3.42A jack x1
HDMI 2.0a mini *1
12PIN Pogo Pin *1



Certification

IP65



Rugged Features

MIL-STD-810H: 1.22m drop
Working temperature: -20 °C to 60 °C
Storage temperature: -30 °C to 70 °C
Humidity: 95% Non-Condensing



Adapter

DC 19V 3.42A dapter



2D Code

Optional

* The technical specifications of this product are subject to change without prior notice



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