

Rugged Mobile PC M20J



- 12.2-inch large-size full HD high-brightness screen, supporting 10 point capacitive touch
- Equipped with desktop-level N5105 processor and Windows 11 operating system
- Standard 8GB DDR4 high-speed RAM, 128GB M.2 PCIe 3.0 SSD ROM
- USB Type-C, USB 3.0 Type-A, 2.0a Mini HDMI, multiple interfaces for your choice
- Modularization design, choose 1 of 4 optional modules: network port/ serial port/ USB port/ 2D barcode module
- 700mAh small battery + 6300mAh large battery, the total battery capacity is as high as 51.8Wh
- Active quiet fan cooling system, big fan with heat pipe, strong heat dissipation
- Support 802.11a/b/g/n/ac wireless transmission, 4G network, Bluetooth 5.0 and GPS
- Press-type fingerprint recognition, lightly press to unlock, and log in to the operating system in seconds
- Passed multiple rigorous tests based on IP65 and MIL-STD-810H standards



N5105 processor



Windows 11 Pro
Operating
System



12.2 inch FHD
screen



650cd/
m²
Brightness



Dual frequency WiFi



Press-type
fingerprint
recognition



Two batteries,
Long standby



Active quiet fan
cooling system



128GB SSD



IP65

Rugged Mobile PC M20J

Specifications



CPU

N5105 processor



Operating System

Windows 11 IOT
Optional: Windows 11 Pro



Memory

RAM: 8GB DDR
ROM: 128GB SSD removable



Display

Type: FHD
Size: 12.2 inch 16:10
Resolution: 1200*1920
Brightness: 650cd/m²



Touch Pannel

10 points Capacitive



Dimension/Weight

339.3*230.3*26mm
m 1500g



Buttons

Power *1
Volume Key + *1
Volume Key - *1
Windows Home *1
F Key *1
(Barcode Scanning)



Speaker

8Ω/0.8W Waterproof Speaker *1



Battery

Build in Lithium-ion polymer battery
7.4V/700mAh (Non-removable)
Removable Li-polyment Battery
7.4V/6300mAh



WIFI

Wi-Fi 802.11(a/b/g/n/ac)
Dual frequency 2.4G+5.8G WIFI



Camera

Front 5.0MP
Rear 8.0MP -AF with flashlight



Bluetooth

BT5.0 (BLE)



WAN

4G, Optional 5G



GPS

Support



NFC

Support



Fingerprint

Press-type fingerprint
recognition



I/O Interface

USB3.
Type C (USB3.0/HDMI/Charging) *1
3.5mm Standard earjack *1
HDMI 2.0a mini *1
SIM card *1, TF card *1
DC 19V 3.42A 5.5mm jack *1
12PIN Pogo Pin (USB/Docking
charging) *1
Expansion Module:
RJ45(10/100M) *1/RS232 *1
USB2.0 *1/QR Code Scanner



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

AC100V ~ 240V, 19V 3.42A/65W Output

Australian Distributor