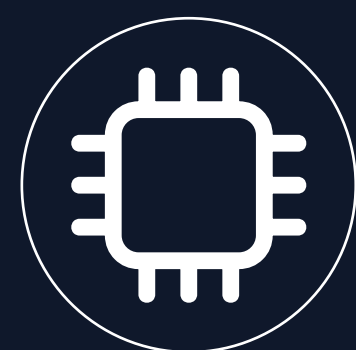


# Rugged Mobile PC

# M20J

VALEN.  
Information  
Technology

- 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, HDMI 2.0a Mini , multiple interfaces for your choice
- Modularization design, choose 1 of 4 optional modules: network port/ serial port/ USB port/ 2D barcode module
- 860mAh 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/m<sup>2</sup>  
Brightness



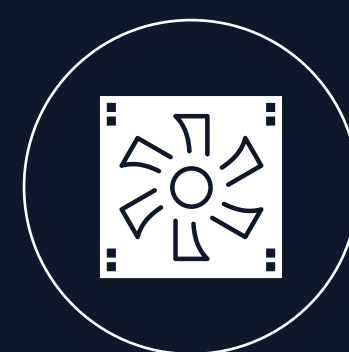
Dual frequency WiFi



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/m<sup>2</sup>

 **Touch Panel**  
10 points Capacitive

 **Dimension/Weight**  
339.3\*230.3\*26mm  
1500g

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

 **Speaker**  
6Ω /0.8W Waterproof Speaker \*1

 **Battery**  
Build in Lithium-ion polymer battery  
7.4V/860mAh (Non-removable)  
Removable Li-polyment Battery  
7.4V/6300mAh

 **Internet**  
Optional 5G / Dual-band WiFi /  
BT5.0

 **Camera**  
Front 5.0MP  
Rear 8.0MP -AF with flashlight


 **GPS**  
Support


 **NFC**  
Optional

 **Certification**  
IP65

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

 **Fingerprint**  
Press-type fingerprint  
recognition

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

 **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



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