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 M ini 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/㎡ Brightness

Dual frequency WiFi

Press-type fingerprint recognition

Two batteries, Long standby

Active quiet fan cooling system

128GB SSD

IP65

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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/㎡

Touch Pannel
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
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
USB3.0 *1
Type C (USB3.0/HDMI/Charging) *1
ϕ3.5mm Standard earjack *1
HDMI 2.0a mini *1
SIM card *1, TF card *1
DC 19V 3.42A ϕ5.5mm 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

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

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