Rugged mobile PC

M80J

- With the Quad-core Intel JASPER LAKE N5100 processor and Windows 10 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 1000-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 for diverse application scenarios.
- Passed the IP65 and MIL-STD-810H test, presenting solid waterproof and dustproof performance in the harsh environment.

N5100 processor

Windows10 Operating System

8 inch IPS display

1000cd/㎡ Brightness

2D barcode scan engine

Dual-band WiFi

5000mAh 8hours

Front 5.0MP Rear 8.0MP

GPS/GLONASS/Beidou

IP65

M80J rugged mobile PC

Specifications

CPU
N5100 processor

Operating System
windows 10 Home

Memory
RAM: 8GB LPDDR4x
(Self-owned brand 8G)
ROM: 128GB EMMC
(Self-owned brand 128G)

Display
Type: IPS
Size: 8 inch 16:10
Resolution: 800*1280
Brightness: 1000cd/㎡

Touch Pannel
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
Support

I/O Interface
USB 3.0 *1 (Type A)
Type C *1 (Data & Charing)
ʃ 3.5mm Standard earjack *1
TF *1 max：512G
SIM card*1
DC 19V 3.42A jack x1
HDMI 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
Support

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

Tel: 400-830-4882
www.onerugged.com
inquiry@onerugged.com
Room 401, Building C, Chaojie Industrial Park, No. 1 Guanghui Road, Jinsha Community,Kengzi Street, Pingshan District, Shenzhen,China