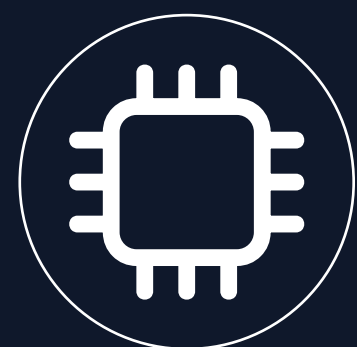


# Rugged Mobile PC

# TB-PEM20A

- Powered by 12th Generation Intel® Core™ i5-1235U/i7-1255U Processor and Windows 11
- Support 16GB RAM + 128GB SSD, the SSD is detachable, easy to expand by simply pulled out and replaced
- 12.2-inch FHD screen with 650 nits high brightness, no fear of outdoor sunlight
- 10-point capacitive touch, support glove touch
- Supports the latest WiFi 6 technology, 4G and Bluetooth 5.1, Optional 5G
- Equipped with a full set of interfaces including full-featured Type-C, USB 3.0, Mini HDMI and more
- Choose one of four modules among wired network interface, USB 2.0, RS232 and 2D barcode scan module, choose as you like
- Passed IP65 and multiple stringent MIL-STD-810H military standard tests, industrial-grade safety protection



12<sup>th</sup> Gen Intel Processors



Windows 11



12.2-inch screen



650 nits highlighting



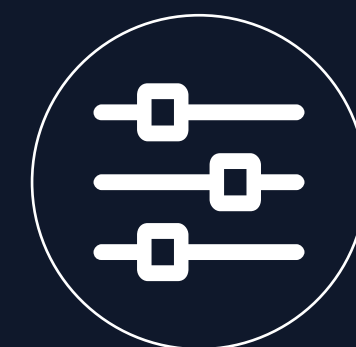
Wi-Fi/BT 5.1/4G



16GB RAM  
128GB SSD



Dual battery life



Rich interface  
expansion



Four-choice module bit



IP65 protection level

# TB-PEM20ARugged Mobile PC

## Specifications


 **CPU**  
12<sup>th</sup> Generation Intel® Core™  
i5-1235U/i7-1255U Processor

 **System**  
Windows 11

 **Memory**  
RAM 16GB DDR4L  
ROM 128GB SSD


 **Display**  
Type: FHD  
Size: 12.2 inch  
Resolution: 1200\*1920  
Brightness: 650cd/m<sup>2</sup>  
High resolution high  
brightness screen

 **Touch Pannel**  
10 points capacity TP, G+G,  
Hardness over 7H

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

 **Buttons**  
Power \*1  
Volume Key + \*1  
Volume Key - \*1  
Windows Home \*1  
F Key \*1

 **Speaker**  
8Ω/1W  
Waterproof Speaker \*1

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

 **WIFI**  
Wi-Fi 6  
802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax  
Dual frequency 2.4G+5.8G WIFI

 **Bluetooth**  
BT 5.1


 **WAN**  
4G  
Optional 5G


 **GPS**  
Support:  
GPS, Beidou, glonass

 **NFC**  
Optional NXP300

 **Adapter**  
DC 19V 3.42A

 **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  
Electrostatic discharge:  
± 8kV contact discharge  
± 15kV air discharge

 **I/O Interface**  
USB 3.0 \*1  
Type C \*1  
ϕ 3.5mm \*1  
TF/SIM卡 \*1  
DC \*1  
HDMI mini \*1  
12PIN Pogo Pin \*1  
Expansion Module:  
RJ45(10/100M) \*1/RS232 \*1  
USB2.0 \*1/QR Code Scanner

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