



IP122 Fully Rugged Tablet

Compact & Light Built for Every Task

Core Configuration Highlights

- **Superb performance built in:**
Powered by Intel® Core Ultra 5 processors (up to 4.5 GHz) with a silent fanless cooling system, delivering stable, noise-free performance for demanding industrial and field applications.
- **"Sunlight Readable" Display:**
12.2-inch FHD (1920×1200) 16:10 display with 700nits LED backlight, ensuring clear visibility under intense outdoor sunlight; optional 10-point capacitive multitouch for flexible operation.
- **Modular Connectivity Design:**
Supports detachable Wi-Fi and 4G LTE modules; allows flexible upgrades or replacements to meet varying network needs in different field environments.
- **Convenient Integrated Field Tools:**
Built-in front fingerprint sensor, NFC module and SE4710 barcode scanner; enables fast authentication, data capture and payment verification without additional accessories.
- **Ultra-Slim & Lightweight Build:**
Compact design with magnesium-aluminum alloy construction, measuring 318 (L) × 214 (W) × 21 (H) mm (±2 mm) and weighing just 1.6 kg (±0.2 kg) for easy portability anywhere.
- **Rock-Solid Design:**
Meeting MIL-STD-810H standards and boasting IP67 water and dust resistance, it withstands drops, vibration, shock, and wide temperature fluctuations, ensuring consistent performance in the toughest field environments.



Application scenarios

IP122 Specifications

Operating System  Windows 10 /  Windows 11

CPU Intel® Core™ Ultra 5 Processor 226V
(8 cores, Max Turbo Frequency 4.5 GHz, TDP17 W)
Option:
228V (Intel® Core™ Ultra 5 Processor 228V)
236V (Intel® Core™ Ultra 5 Processor 236V)

Memory 8GB/16GB onboard

Storage Optional: 8GB /16G/32G/64G/128G(Max)

Display 12.2" FHD(1920 * 1200) 16:10
700 nits LED backlight with adjustable
brightness, sunlight readable display
10-point capacitive multi-touch screen
G+G cover glass with Corning Gorilla,
hardness above 7H, excellent scratch
resistance

Camera Front camera: 5MP, supports Windows Hello,
with physical privacy shutter
Rear camera: 13MP, built-in flashlight

Audio Integrated stereo speaker × 2 (4Ω / 2W)
Integrated digital microphone × 2

Communications 1000M Ethernet
Intel® Wi-Fi 6 802.11ax (removable)
Bluetooth (v5.2) (removable)
4G LTE mobile broadband (removable)
Standard precision GNSS(GPS、GLONASS、
Galileo) (On board)
Optional: 5G LTE mobile broadband (removable)
Optional: Fingerprint & NFC & Scan (SE4710)

I/O Interfaces Full-Function Type-C Port * 1
Aviation plug connector* 1
10/100/1000 Ethernet (RJ45) * 1
RS232 (RS485 optional) * 1
HDMI 1.4 Port * 1
USB 3.0 Type-A Port * 1
Type-C Headphone Jack * 1
POGO Pin Connector (for keyboard) * 1
SIM Card Slot * 1

Adapter

Input:100Vac~240Vac, 50Hz/60Hz,
Output:20V 5A 100W aviation plug connector

Battery

11.1V / 7300 mAh, 81W,
Support 5 hours of working time (1080P video
playback, 50% volume, 200nit screen
brightness)

Environment

Temperature:
- Operating: -20°C to 55°C
- Storage: -40°C to 70°C
Humidity:5%- 95% RH, non-condensing

Dimension (W x D x H) & Weight 318 (L) × 214 (W) × 21 (H) mm (±2 mm)
Mg-al material 1.6 kg (±0.2 kg)

Chassis Characteristics

•"Lightweight & Rugged" Build:

Magnesium-aluminum alloy unibody construction; a lightweight design at only 1.6 ± 0.2 kg that balances portability with durability.

• "All-Scenario" Certifications:

o Designed to meet MIL-STD-810H requirements (24 test items), including resistance to high/low temperature, humidity, vibration, drop, salt mist, and mold.

o Designed to meet MIL-STD-461G requirements for electromagnetic compatibility.

• IP67 dust and water resistance, fearless against extreme environmental challenges.

Product Positioning

Crafted for professional domains such as outdoor exploration, industrial fieldwork, emergency response, and specialized sectors, redefining the performance and reliability standards of rugged mobile tablets.