



I100 Fully Rugged Laptop

Powerful & Expandable
Built for Harsh Environments

Core Configuration Highlights

- **"Sunlight Readable" Display:**
15.6-inch optically bonded display with 1000 nits peak brightness, ensuring clear visibility under intense outdoor sunlight; optional capacitive multitouch for flexible operation.
- **"AI Empowered" Processor:**
Equipped with 13th Gen Intel® Core™ i9/i7/i5 processors featuring an integrated AI engine to intelligently accelerate multitasking and AI applications.
- **"Professional Graphics" Performance:**
Powered by NVIDIA® GeForce® RTX 4060 GPU, smoothly handling professional scenarios like 3D modeling and video rendering.
- **"All-day" Battery Life:**
Dual battery system with hot-swappable main battery, enabling uninterrupted power supply and eliminating range anxiety.
- **"Infinite Expansion" Modular Design:**
Innovative docking station and modular interface design, the product supports optional on-demand expansion (including HDD, 5G modules, etc.), enabling users to build a highly customized workstation.
- **"Rugged Input" Keyboard:**
IP65-rated waterproof LED backlit membrane keyboard with a fully sealed structure and FN shortcuts, allowing stress-free operation in low-light environments.



Application scenarios

I100 Specifications

Operating System  Windows 11

CPU Intel® Core™ i7-13700H Processor 24M Cache, up to 5.0 GHz

GPU Intel® Iris® Xe Graphics eligible 1.50 GHz
Optional: NVIDIA® GeForce® RTX4060 8G

Memory 16GB/32GB DDR5
Max Optional:64G

Storage Optional:128GB/256GB/512GB/1TB/2TB/4TB /8TB/12TB (Gen4*4 NVME)
Optional hard drive destruction function
Optional dual hard drives

Display 15.6" FHD (1920×1080)
1,000 nits sunlight readable display with optical bonding,
supports capacitive multi-touch screen

Keyboard Waterproof LED backlit membrane keyboard with FN shortcut functions

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)

I/O Interfaces USB Type-C (Full-Featured) *1
USB 3.0 port * 3
Ethernet (RJ45) * 2
COM*1+VGA*1 (Optional; 2*COM)
HDMI 2.1 port (type A)*1
DC-In jack*1
Audio in/out (combo jack) *1
Grounding Post*1
Custom aviation connector *1

Power

AC adapter : 100-240V, 50Hz-60Hz, 180W
Main battery capacity: 155Wh, (pluggable)
optional 184.3Wh
Auxiliary battery capacity: 58Wh
(non-removable)

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 398.35*253.92*46.5mm,
Mg-al material 4.8kg

Chassis Characteristics

• "Lightweight & Rugged" Build:

Magnesium-aluminum alloy unibody construction; a lightweight design at only 4.8kg 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.

IP65 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 fields, redefining the performance and reliability boundaries of mobile workstations.

