



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 (1920x1080) 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 (work in -40°C) Auxiliary battery capacity : 58Wh (non-removable)
Environment	Temperature: - Operating: -20°C to 55°C (Customizable: -40°C to 55°C) - Storage: -40°C to 70°C(Customizable: -50°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.

