14" RUGGED LAPTOP | LAP-140



FEATURES

- 14" Full HD Anti-Glare Display (1920 x 1080 Resolution)
- Sunlight-Readable Anti-Glare Display (500 nits standard, optional 1000 nits)
- Intel® Core™ (Ultra 5 Processor 125H / Ultra 7 Processor 155H)
- Optional NVIDIA® GEFORCE RTX™ 4060 GPU
- Windows 11 & Linux OS Support
- IP65 Water & Dust Protection
- 3ft Drop / Shock Protection (MIL-STD-810H)
- Up to 96GB DDR5 RAM & 4TB SSD Storage
- Comprehensive MIL-Spec I/O Support
- Equipped with Wi-Fi 6E, Bluetooth 5.2, and U-blox GPS
- Swappable 7800mAh Field Battery
- Optional Self-Destruct SSD for Military-Grade Data Security

The LAP-140 Rugged Laptop is a purpose-built 14" computing platform engineered for mission-critical defense, public safety, industrial, and field service deployments. Featuring a Full HD (1920 x 1080) anti-glare display with optional 1000-nit sunlight readability, it ensures crystal-clear visibility in any environment. Powered by the latest Intel® Core™ Ultra 5 or Ultra 7 processors, with optional NVIDIA® GeForce RTX™ 4060 GPU, the LAP-140 delivers exceptional computing power for edge AI processing, real-time data analysis, and advanced visualization. Built to IP65 and MIL-STD-810H standards, it withstands water, dust, drops, shocks, and extreme temperatures without compromise. Field-ready features include a swappable 7800mAh battery, versatile MIL-spec I/O ports, Windows 11 IoT or Linux OS support, and an optional self-destruct SSD for uncompromised military-grade data security—making the LAP-140 the trusted choice for rugged, secure, and high-performance field operations.

SPECIFICATIONS

RUGGEDNESS

IP Rating	IP65
Drop Rating	MIL-STD-810H, 3ft drop to plywood
Shock Rating	MIL-STD-810H, Method 516.6, Procedure I – 40g / 11ms
Vibration Rating	MIL-STD-810H, Method 514.6, Procedure I Categories 4 / 20 / 24
ESD Protection	8kV Contact, 15kV Air

SYSTEM

Processor	Intel® Core™ Ultra 5 125H, 14 Cores / 18 Threads, 3.6GHz, 18MB Cache Optional: Intel® Core™ Ultra 7 155H 16 Cores / 22 Threads, 3.8GHz, 24MB Cache
Graphics	Integrated Intel® Arc™ Graphics GPU Optional: NVIDIA® GeForce RTX™ 4060 GPU
Memory	DDR5 – 16GB Optional: 8GB / 32GB / 64GB / 96GB
Storage	M.2 SSD – 256GB Optional: 512GB / 1TB / 2TB / 4TB
OS	Windows 11 IoT, Linux

DISPLAY

Screen	14" Anti-glare LCD
Resolution	1920 x 1080 Full HD
Brightness	500 nits Sunlight-Readable Optional: 1000 nits
Touch Screen	10-Point Capacitive Multi-Touch with Auto-Sensing Supports Glove and Wet Touch Chemically Hardened Glass Support Anti-glare (AG) coating Optional: Anti-reflective (AR) coating

POWER

AC Adapter	100V–240V Worldwide Input, Auto Sensing and Switching
Battery	1 x 7800mAh / 11.1V Lithium Battery (Swappable)

I/O INTERFACE

Keyboard & Input	Backlit Waterproof Keyboard with Touchpad Mouse
Camera (Optional)	5MP Front-facing Camera
Speakers	Built-in Stereo Speakers
Microphone (Optional)	Microphone with Front Camera Selection
Ports	4 x USB 3.0 1 x USB 2.0 2 x USB Type-C 2 x 1000M RJ45 LAN 1 x COM (RS232/422/485) 1 x HDMI 1 x Headphone/Mic Combo Jack 1 x Micro SD Card Slot 1 x DC 19V Aviation Power Input
Buttons	1 x Power Button 2 x Programmable Buttons
Indicators	Power, Battery, HDD, and Caps Lock Indicators

COMMUNICATIONS

Wi-Fi	Intel® AX210 Module, Supports Wi-Fi 6E (802.11 a/b/g/n/ac/ax) on 2.4GHz & 5GHz bands
Bluetooth	Bluetooth® 5.2
GNSS	U-blox GPS Module

MECHANICAL

Material & Color	Magnesium Alloy + ABS Color Options: OD Green / Matte Black
Dimensions	350 x 247 x 41mm (±2mm), excluding footpads & handle
Weight	Around 2.72Kg

ENVIRONMENTAL

Temperature:	
- Operation	-20°C to 55°C
- Storage	-40°C to 60°C

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DIMENSIONS AND SYSTEM LAYOUT







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