13.3" RUGGED DUAL-SCREEN TOUCH LAPTOP | LAP-130



FEATURES

- Dual 13.3" Full HD Anti-Glare Touchscreens
- Intel® Core™ i7-11390H and i9-13900HK Processor
- Supports external graphics card: NVIDIA® GTX1050Ti and GeForce RTX 4060
- Windows 11 Operating System
- IP65 Water & Dust Protection
- Programmable Joysticks and Rotary Switch
- Multiple Industrial I/O Ports
- Rugged CNC Aluminum Chassis

Note: The LAP-130 is available for custom projects only and is not sold in small quantities.

The LAP-130 Rugged Dual-Screen Laptop is designed for demanding field and industrial operations, featuring dual 13.3" Full HD anti-glare touchscreens that provide clear visibility and efficient multitasking. Powered by Intel® Core™ i7-11390H or Intel® Core™ i9-13900HK processors, it delivers powerful computing performance for data processing, visualization, and mission-critical applications. The system supports external graphics cards, including NVIDIA® GTX1050Ti and NVIDIA GeForce RTX 4060, enabling enhanced graphics and accelerated workloads when required. Built with a rugged CNC-machined aluminum chassis and engineered to meet IP65 water and dust protection standards, the LAP-130 offers exceptional durability in harsh environments. Equipped with programmable joysticks, rotary switches, and multiple industrial I/O ports, it provides flexible control and seamless integration with specialized equipment. Running on the Windows 11 operating system, the LAP-130 delivers a reliable and versatile dual-screen computing platform for industrial, field, and professional operational environments.

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™ i7-11390H, 5.0GHz, 12MB Cache Optional: Intel® Core™ i9-13900HK
Graphics	Integrated Intel Arc Graphics Optional: NVIDIA® GeForce GTX1050Ti and GeForce RTX 4060
Memory	8GB, Optional: 32GB/64GB
Storage	M.2 SSD – 512GB, Optional: 1TB/2TB/4TB
OS	Windows 10/11, Linux

DISPLAY

Screen	2 x 13.3'' Anti-glare Screens
Resolution	1920 x 1080 Full HD
Brightness	500 nits Optional: 1000 nits
Touchscreen	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

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
RF Module (Optional)	Built - in or external RF module for UAV Ground Control, Tactical Communications, and Surveillance Application

POWER

AC Adapter	19V, 7.89A DC-IN with Aviation Connector
Battery	Operation Time ≥3 hours (HD video playback) Standby Time ≥120 hours

I/O INTERFACE

Mouse Input	Touchpad
Joystick Control	3 x Dual-axis thumb joysticks
Rotary Switch	1 x Multi-position rotary switch (GPIO)
Audio	2 x Stereo Speakers 1 x Built-in Microphone
Ports	3 x USB 3.0 1 x USB 2.0 2 x RJ45 (1000M) 1 x HDMI 2 x COM Ports (RS232/422/485) 1 x TF Card Slot 1 x Headphone/Microphone Combo Jack
Buttons & Controls	Keyboard Function Keys: F1-F8 Numeric Keypad Stealth Mode Key Brightness + / – Volume + / –
Indicators	Power, Battery, HDD Indicator

MECHANICAL

Material & Color	CNC-machined aerospace-grade aluminum chassis Color Options: OD Green / Matte Black
Dimensions	425 x 293 x 53mm (±2mm), excluding footpads & handle
Weight	≤ 6Kg

ENVIRONMENTAL

Temperature:	
- Operation	-20°C to 55°C (Optional: -40°C to 55°C)
- Storage	-50°C to 60°C

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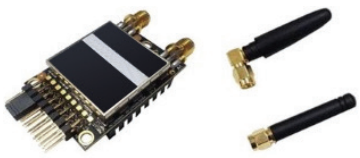
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DIMENSIONS AND SYSTEM LAYOUT





Internal or External RF Modules for UAV Ground Control, Tactical Communications, and Surveillance Application



Internal RF Module



External RF Module



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