

MODEL NO: RGD-LTP-Y5000



Wide-Temperature Operation Design

Long-term stable operation at -20°C to 60°C; long-term storage at -55°C to 85°C



Comprehensive External I/O Ports

Full complement of standard ports including USB, RJ45 Ethernet, COM serial port, HDMI, Type-C, TF card reader, and SIM card slot.



Ruggedized Chassis Construction

Constructed with ABS+PC composite material, delivering a lightweight yet robust build with resistance to moderate vibration and impact



High-Brightness LCD Display

15.6-inch high-definition LCD display with 1000 nits brightness; available in 1920×1080 (Full HD) or 4K resolution options.



Advanced Security Features

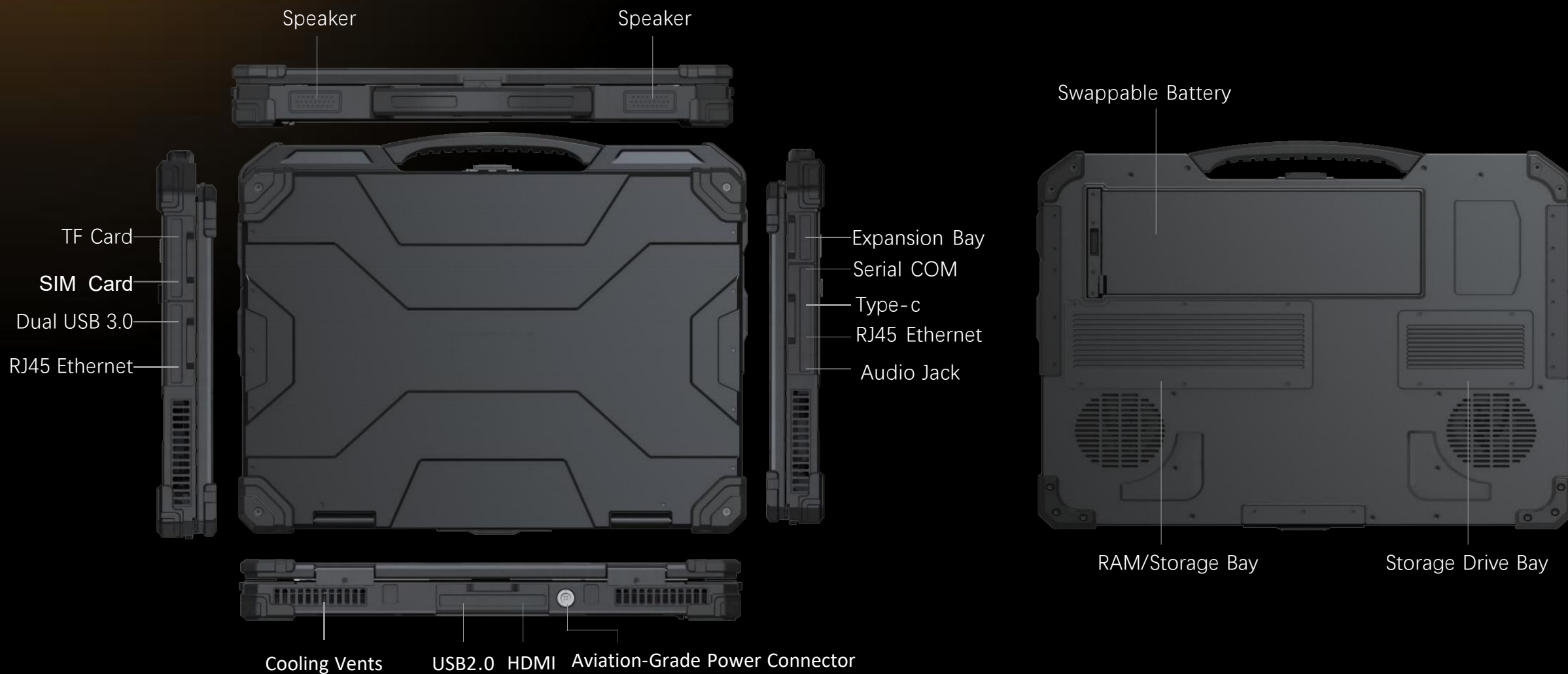
Supports fingerprint biometric authentication and module security locks to ensure data integrity and access control



Dual-Battery Power System

Integrated internal battery + bottom-mounted swappable battery (11.1V, 6800mAh)





*Specifications are subject to change without prior notice.

TECHNICAL SPECIFICATION

Display	15.6" TFT LCD, 1000 nits brightness, 1080p/4K resolution options
Touchscreen	Optional Capacitive Multi-Touch Screen Optional Capacitive Stylus Support
Camera	5MP Camera ×1
Operating System	Windows 11
Battery	Internal Battery + Removable Battery (11.1V, 6800mAh)
Power Adapter	AC Power Adapter (300W, 100-240VAC, 50/60Hz)
CPU	13th Gen Intel® Core™ Processor (i5-13420H / i7-13620H / i9-13900H options)
GPU	NVIDIA RTX3060M 12GB/NVIDIA 3070M 16GB options
Memory (RAM)	16GB DDR4, configurable up to 32GB/64GB/128GB
Storage	Integrated 512GB PCIe SSD
Storage (Optional)	512GB / 1TB / 2TB PCIe SSD options
I/O Interfaces	DC Input ×1 USB 3.0 Ports ×2 USB 2.0 Port ×1 LAN (RJ45) Ports ×2 Audio In/Out ×1 HDMI 2.0 Video Output ×1 Type-C (USB + DP) Port ×1 Serial Port (RS232/485/422 Support) ×1 TF Card Slot ×1 SIM Card Slot ×1



Keyboard	LED Backlit Keyboard with Numeric Keypad
Touch Control	Touchpad (with Left/Right Buttons)
Audio	Built-in Stereo Speakers Built-in Microphone
LED Indicators	Power Indicator Charging Indicator Hard Drive Activity Indicator Caps Lock Indicator
WIFI	WIFI6/BT5.2 Support
GNSS	GPS / BeiDou Support
Cellular Network	4G / 5G Cellular Connectivity
Fingerprint	Fingerprint Reader ×1
Onboard Security	TPM 2.0 Support
Color	Black
Dimensions	380 mm × 273 mm × 39.5 mm (excluding handle, corner bumpers, and protrusions)
Weight	Approx. 3.5 kg



ENVIRONMENTAL ADAPTABILITY

Environmental Protection	IP65 Certified, MIL-STD-810H Compliant
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-55°C ~ +85°C
Humidity Range	5%~95% Relative Humidity (Non-Condensing)