Getac

Windows 11

GLACIER COMPUTER
A Logic Instrument Company

S510AD RUGGED LAPTOP



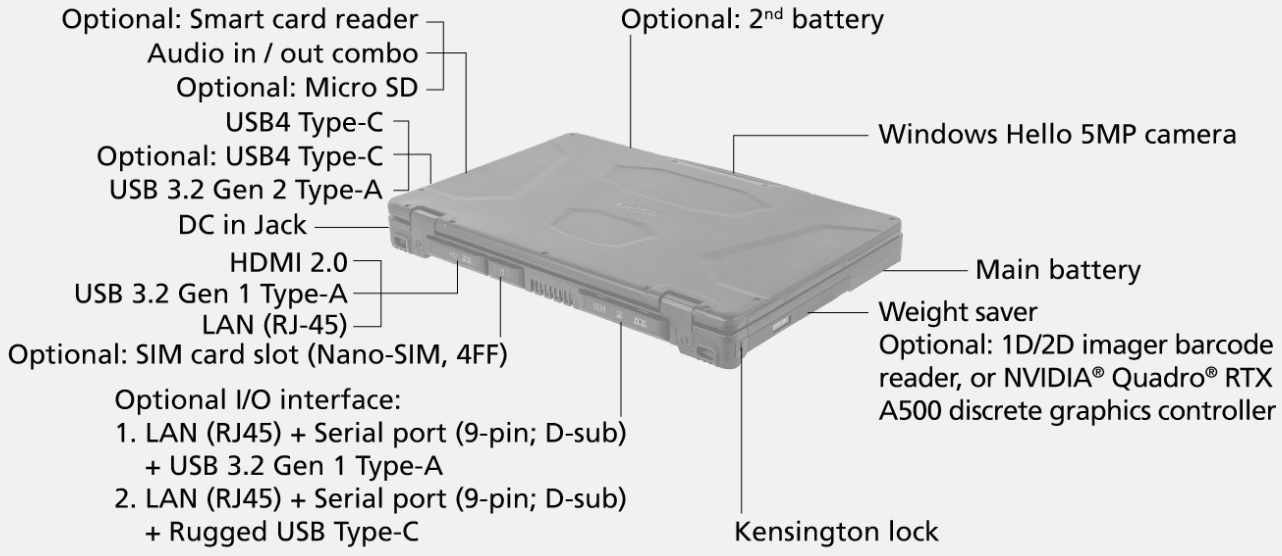
Copilot+PC

CERTIFIED MIL-STD 810H

INGRESS PROTECTION IP53

3′ DROP

- Boost productivity with AMD Ryzen™ AI processors and Copilot+ PC, delivering AI-powered performance optimized for edge applications
- Stay clear and in control with a 15.6" Getac sunlight-readable display (1,000 nits) and glove-compatible touchscreen
- Sustainable chassis with enterprise-level ruggedness for a greener future
- Strengthen enterprise security with Windows Hello facial recognition, TPM 2.0, and AMD PRO Technology, hardware-enforced safeguards that protect your business data from cyber threats
- Connect with confidence using versatile I/O options, including rugged USB Type-C and docking solutions



S510AD RUGGED LAPTOP

SPECIFICATIONS

Operating System
Windows 11 Pro

CPU (Mobile Computing Platform)
AMD Ryzen™ AI 5 340 Processor
(6-core/12-thread, 22MB cache, up to 4.8 GHz max boost)

Platform options:
AMD Ryzen™ AI 5 PRO 340 Processor
(6-core/12-thread, 22MB cache, up to 4.8 GHz max boost)

AMD Ryzen™ AI 7 350 Processor
(8-core/16-thread, 24MB cache, up to 5.0 GHz max boost)

AMD Ryzen™ AI 7 PRO 350 Processor
(8-core/16-thread, 24MB cache, up to 5.0 GHz max boost)

Graphics
AMD Radeon™ 840M
(For AMD Ryzen™ AI 5 340 Processor)
AMD Radeon™ 860M
(For AMD Ryzen™ AI 7 350 Processor)
Optional: NVIDIA® Quadro®
RTX A500 discrete graphics controller [i, ii]

NPU
AMD XDNA™ 2 (Up to 50 TOPS)

Display
15.6" TFT LCD FHD (1920 x 1080)
Protection film
1,000 nits display with Getac sunlight readable technology
Optional: Capacitive multi-touch LumiBond screen

Storage & Memory
16GB DDR5
Optional: 32GB / 64GB DDR5

256GB PCIe NVMe SSD
Optional: 512GB / 1TB / 2TB PCIe NVMe SSD

Keyboard
LED backlit membrane keyboard

Pointing Device
Touchscreen
- Optional: Capacitive multi-touch screen
Touchpad
- Glide touchpad with multi-touch

Audio
Integrated stereo speakers
Integrated dual-array microphone

Expansion Slot
Optional: Smart card reader

Multimedia Bay
Weight saver
Optional: 1D/2D imager barcode reader [ii]
Optional: NVIDIA® Quadro® RTX A500
discrete graphics controller [i, ii]

I/O Interface
Windows Hello face-authentication 5MP camera (front-facing) x 1
Audio in/out combo x 1
DC in Jack x 1
USB4 Type-C x 1
USB 3.2 Gen 2 Type-A x 1
USB 3.2 Gen 1 Type-A x 1
Optional: MicroSD x 1
LAN (RJ45) x 1
HDMI 2.0 x 1
Docking connector x 1
Optional: SIM card slot x 1 (Nano-SIM, 4FF) [iii]
Optional:USB4 Type-C x 1
Optional: RF antenna pass-through for GPS, WWAN , and WLAN

Configurable I/O options :
1. LAN (RJ45) [iv] + Serial port (9-pin; D-sub) + USB 3.2 Gen 1 Type-A
2. LAN (RJ45) [iv] + Serial port (9-pin; D-sub) + Rugged USB Type-C

Communication Interface
10/100/1000 base-T Ethernet
Wi-Fi 7, 802.11be
Bluetooth (v5.4) [v]
Optional: 2.5GBASE-T Ethernet [iv]
Optional: Dual SIM (Nano-SIM 4FF and e-SIM) [iii, vi]
Optional: 4G LTE mobile broadband with integrated GPS [iii, viii]
Optional: 5G Sub-6 with integrated GPS [iii, vii, viii]
Optional: Dedicated GPS with L1/L5

Security Feature
TPM 2.0
Kensington lock
Windows Hello face-authentication 5MP camera (front-facing)
Getac Secure Erase
Optional: AMD PRO Technology
Optional: Fingerprint reader
Optional: HF RFID reader [ix]
Optional: Absolute Persistence®

Power
AC adapter (65W, 100-240VAC)
Hot-swappable Li-ion battery (10.8V, typical 6900mAh; min. 6600mAh) [xvi]
Optional: AC adapter (90W, 100-240VAC, 50/60Hz) [i]
Optional: Hot-swappable 2nd Li-ion battery (10.8V, typical 6900mAh; min. 6600mAh) [i]

Dimension (W x D x H) & Weight
375 x 277 x 39mm (14.8" x 10.9" x 1.5") [x]
2350g (5.18lbs) [x]

Rugged Feature
MIL-STD-810H certified
IP53 certified
Vibration & 3ft (0.9m) drop resistant [xi]

Environmental Specification
Temperature [xii] :
- Operating: -29˚C to 63°C / -20°F to 145°F
- Storage: -51°C to 71°C / -60°F to 160°F
Humidity:
- 95% RH, non-condensing

Pre-installed Software
Getac Utility
Getac Geolocation
Getac Barcode Manager [xiii]
Optional: Absolute Secure Endpoint

Optional software
Getac Driving Safety Utility
Getac Monitoring
Getac VGPS Utility [xiv]
Absolute Secure Access

Accessories
Hot-swappable Li-ion battery (10.8V, typical 6900mAh; min. 6600mAh) [xvi]
AC adapter (65W, 100-240VAC)

Optional:
Carry bag
Hot-swappable Li-ion battery (10.8V, typical 6900mAh; min. 6600mAh)
Multi-Bay charger (Dual-Bay)
Multi-Bay charger (Eight-Bay)
AC adapter (90W, 100-240VAC, 50/60Hz) [i]
DC-DC vehicle adapter (120W, 11-32VDC)
Capacitive stylus with tether
Protection film
Vehicle cradle
Vehicle dock [xv]
Spare SSD kit
100W Type-C adapter
Getac DS100 USB-C docking station with AC adapter
Rugged USB-C Cable

Warranty
Nothing says quality like a manufacturer standing behind their product. We've designed the notebook from the inside out to survive drops, shocks, spills, vibration and more. We're confident in our quality and that's why it comes standard with the industry leading 3 year warranty. It's the peace-of-mind protection of knowing you're covered.

Standard
3 years limited warranty

	Vehicle Dock (Gamber-Johnson, Havis)
Serial Port	1
Audio Output	-
DC in Jack	1
USB	USB-A 3.0 x 2, USB-A 2.0 x 2, USB-C 3.0 x 1
LAN	1
HDMI	1
Display Port	-
RF Antenna Connector	3 (WWAN, WLAN, GPS)
Kensington Lock	-

I. NVIDIA® Quadro® RTX A500 discrete graphics controller is required to configure with dual battery and 90W AC adapter.
II. NVIDIA® Quadro® RTX A500 discrete graphics controller and 1D/2D imager barcode reader are mutually exclusive options.
III. Units with 4G/5G option come with an embedded SIM card slot.
IV. The optional 2nd LAN is 2.5G BASE-T Ethernet.
V. Bluetooth performance and connectable distance may be subject to interference with the environments and performance on client devices, users may be able to reduce effects of interference by minimizing the number of active Bluetooth wireless devices that are operating in the area.
VI. One physical SIM card slot and one eSIM. Network service may vary depending on local telecommunication providers.
VII. Only available in the US, UK, EU, Australia, and New Zealand, the operating temperature is -15°C to 63°C / 5°F to 145°F.
VIII. Support GPS, GLONASS, Galileo, BeiDou and QZSS.
IX. 13.56MHz HF RFID reader (ISO 15693, 14443 A/B, Mifare and FeliCa™ compliant).
X. Weight and dimensions vary from configurations and optional accessories.
XI. Drop test results vary from configurations and optional accessories.
XII. Tested by an independent third-party test lab following MIL-STD-810H.
XIII. Available when barcode reader option is selected.
XIV. Models require either embedded or standalone GPS module.
XV. Gamber-Johnson and Havis vehicle docks are e-mark certified.
XVI. Available when the second battery option is selected.

Information provided herewith is for reference only, available specification shall be subjected to quotation by request.

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