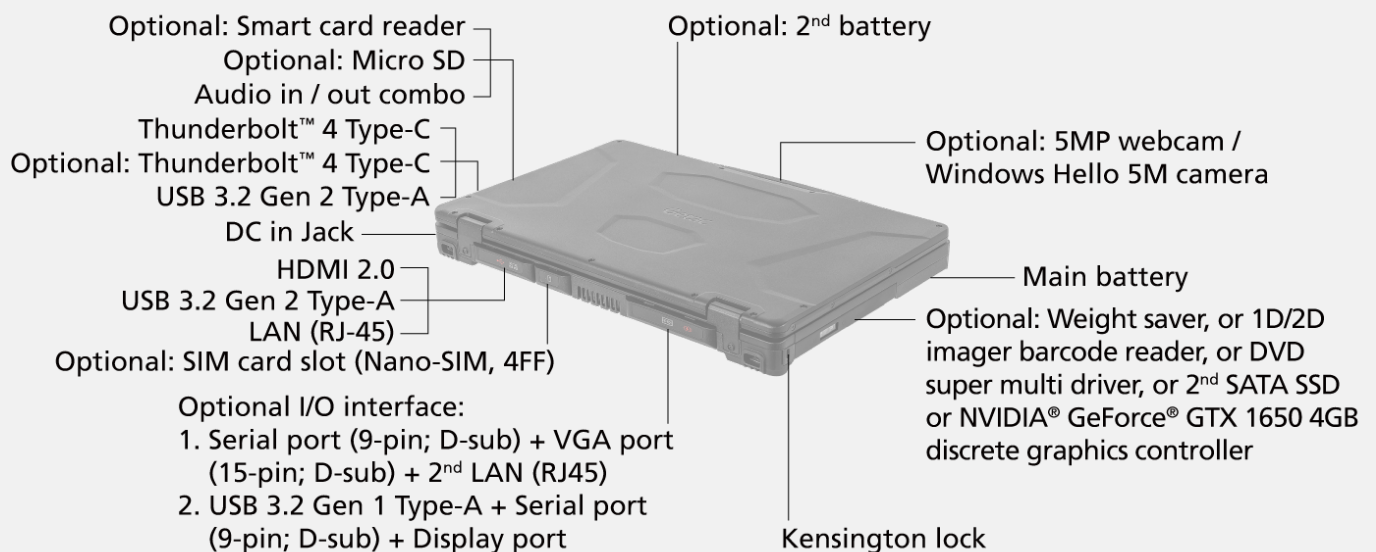


S510 RUGGED LAPTOP



- AI-ready with the latest Intel® Core™ Ultra Processors and Intel® AI Boost technology
- 15.6" display with Getac sunlight readable technology (1,000 nits) and glove-enabled capacitive touchscreen
- Sustainable chassis with enterprise-level ruggedness for a greener future
- Enhanced enterprise security with Intel® vPro®, Windows Hello face-authentication camera, TPM 2.0, and many more multi-factor authentication options
- Versatile I/O options including up to two Thunderbolt™ 4 and docking solutions



SPECIFICATIONS

Operating System

Windows 11 Pro

CPU (Mobile Computing Platform)

Intel® Core™ Ultra 5 processor 125U
Max. 4.3GHz with Intel® Turbo Boost Technology
- 12 MB Intel® Smart Cache

Platform options:

Intel® Core™ Ultra 5 processor 135U, vPro® Enterpriseⁱ
Max. 4.4GHz with Intel® Turbo Boost Technology
- 12 MB Intel® Smart Cache

Intel® Core™ Ultra 7 processor 155U
Max. 4.8GHz with Intel® Turbo Boost Technology
- 12 MB Intel® Smart Cache

Intel® Core™ Ultra 7 processor 165U, vPro® Enterpriseⁱ
Max. 4.9GHz with Intel® Turbo Boost Technology
- 12 MB Intel® Smart Cache

GPU (VGA Controller)

Intel® Graphics
Optional: NVIDIA® GeForce® GTX 1650 4GB
discrete graphics controller^{ii, iii}

NPU

Intel® AI Boost

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 screenⁱⁱ

Storage & Memory

8GB DDR5
Optional: 16GB / 32GB / 64GB DDR5

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

Optional: Multimedia bay 2nd storage: 512GB /
1TB SATA SSD^{iii, iv}

Keyboard

LED backlit membrane keyboard

Pointing Device

Touchscreen
- Optional: Capacitive multi-touch screen touchpad
- Glide touchpad with multi-touch

Expansion Slot

Optional: Smart card reader

Multimedia Bay

Weight saver
Optional: 1D/2D imager barcode readerⁱⁱⁱ
Optional: DVD super multi drive^{iii, iv}
Optional: 2nd Storage^{iii, iv}
Optional: NVIDIA® GeForce® GTX 1650 4GB
discrete graphics controller^{ii, iii}

I/O Interface

Audio in/out combo x 1
DC in Jack x 1
USB 3.2 Gen 2 Type-A x 2
Thunderbolt™ 4 Type-C x 1
Optional: MicroSD x 1
LAN (RJ45) x 1
HDMI 2.0 x 1
Optional: SIM card slot x 1 (Nano-SIM, 4FF)^v
Optional: 5M pixels webcam x 1^{vi}
Optional: Windows Hello face-authentication 5M camera
(front-facing) x 1^{vi}
Docking connector x 1
Optional: Thunderbolt™ 4 Type-C x 1ⁱ
Optional: RF antenna pass-through for GPS, WWAN and
WLAN

Configurable I/O options :

- LAN (RJ45)^{viii} + Serial port (9-pin; D-sub) + VGA port (15-pin; D-sub)
- USB 3.2 Gen 1 Type-A + Serial port (9-pin; D-sub) + Display port

Communication Interface

10/100/1000 base-T Ethernet
Intel® Wi-Fi 6E AX211, 802.11ax
Bluetooth (v5.3)^{viii}
Optional: 2.5GBASE-T Ethernet^{vii}
Optional: Dual SIM (Nano-SIM 4FF and e-SIM)^{v, ix}
Optional: 4G LTE mobile broadband^v
Optional: 5G Sub-6^{v, x}
Optional: Dedicated GPS with L1/L5^{xii}

Security Feature

TPM 2.0
Kensington lock
Optional: Intel® vPro® Technologyⁱ
Optional: Fingerprint reader
Optional: HF RFID reader^{xii}
Optional: Windows Hello face-authentication 5M camera
(front-facing)^{vi}

Power

Battery (10.8V, typical 6900mAh; min. 6600mAh)
AC adapter (65W, 100-240VAC)
Optional: 2nd battery (10.8V, typical 6900mAh; min. 6600mAh)ⁱⁱ
Optional: AC adapter (90W, 100-240VAC, 50/60Hz)ⁱⁱ

Dimension (W x D x H) & Weight

375 x 277 x 39mm (14.8" x 10.9" x 1.5"),
2350g (5.18lbs)^{xiii}

Rugged Feature

MIL-STD-810H certified
IP53 certified
Vibration & 3ft (0.9m) drop resistant^{xiv}

Environmental Specification

Temperature^{xv}:
- Operating: -29°C to 63°C / -20°F to 145°F^{xvi}
- 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^{xvii}
Optional: Absolute Persistence®

Optional software

Getac Driving Safety Utility
Getac Device Monitoring System (GDMS)
Getac VGPS Utility^{xviii}

Accessories

Battery (10.8V, typical 6900mAh; min. 6600mAh)
AC adapter (65W, 100-240VAC)

Optional:

Carry bag
Battery (10.8V, typical 6900mAh; min. 6600mAh)
Multimedia 2nd SSD^{iii, iv, xix}
Multimedia bay DVD super multi drive^{iii, iv, xix}
AC adapter (90W, 100-240VAC, 50/60Hz)ⁱ
DC-DC vehicle adapter (120W, 11-32VDC)
Multi-Bay charger (Dual-Bay)
Multi-Bay charger (Eight-Bay)
Capacitive stylus with tether
Protection film
Vehicle cradle
Vehicle dock^{xx}
Spare SSD kit
100W Type-C adapter
DS100 USB-C docking station

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 years warranty. It's the peace-of-mind protection of knowing you're covered.

Standard

3 years limited warranty

S510 RUGGED LAPTOP

- I. vPro® Enterprise is available for configuration with two Thunderbolt™ 4 Type-C.
- II. NVIDIA® GeForce® GTX 1650 4GB discrete graphics controller is required to configure with dual battery, and 90W AC adapter.
- III. NVIDIA® GeForce® GTX 1650 4GB discrete graphics controller, DVD super multi drive, 1D/2D imager barcode reader and 2nd storage are mutually exclusive options.
- IV. Trained user swappable.
- V. Units with 4G/5G option come with an embedded SIM card slot.
- VI. 5M webcam and optional Windows Hello face-authentication camera (front-facing) are mutually exclusive options.
- VII. The optional 2nd LAN is 2.5GBASE-T Ethernet.
- VIII. 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.
- IX. One physical SIM card slot and one eSIM. Network service may vary depending on local telecommunication providers.
- X. Only available in the US, UK, EU, Australia, and New Zealand.
- XI. Support GPS, GLONASS, Galileo, BeiDou and QZSS.
- XII. 13.56MHz HF RFID reader (ISO 15693, 14443 A/B, Mifare and FeliCa™ compliant).
- XIII. Weight and dimensions vary from configurations and optional accessories.
- XIV. Drop test results vary from configurations and optional accessories.
- XV. Tested by an independent third-party test lab following MIL-STD-810H.
- XVI. For optional DVD super-multi drive, the operating temperature is -10°C to 50°C / 14°F to 122°F.
- XVII. Available when barcode reader option is selected.
- XVIII. Models require either embedded or standalone GPS module.
- XIX. The multimedia bay 2nd SSD and DVD super multi drive can only replace the weight saver and the original configuration.
- XX. Gamber-Johnson and Havis vehicle docks are e-mark certified.

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

	Vehicle Dock (Gamber-Johnson, Havis)	DS100 USB-C Docking Station
Serial Port	1	-
Audio Output	-	1
DC in Jack	1	1
USB	USB-A 3.0 x 2, USB-A 2.0 x 2, USB-C 3.0 x 1	USB-A 2.0 x 2, USB-A 3.2 x 3, USB-C 3.2 x 2
LAN	1	1
HDMI	1	1
Display Port	-	2
RF Antenna Connector	3 (WWAN, WLAN, GPS)	-
Kensington Lock	-	-

Getac

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