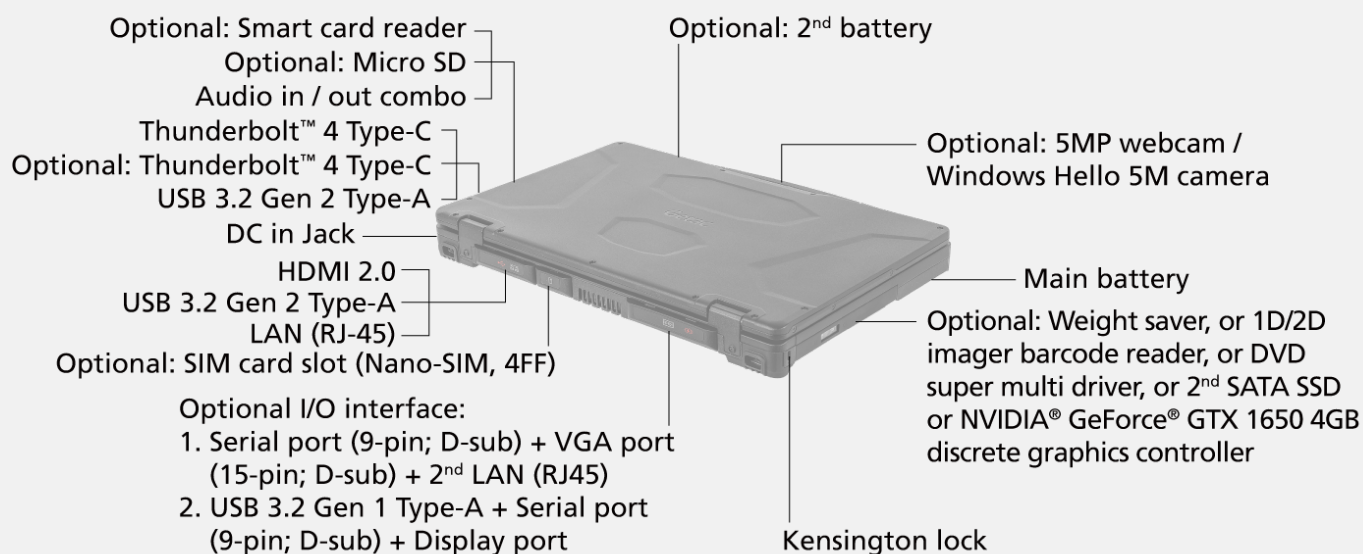




# S510 RUGGED LAPTOP

- 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® Enterprise<sup>i</sup>  
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® Enterprise<sup>i</sup>  
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<sup>ii, iii</sup>

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 screen<sup>ii</sup>

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<sup>iii, iv</sup>

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 reader<sup>iii</sup>  
Optional: DVD super multi drive<sup>iii, iv</sup>  
Optional: 2nd Storage<sup>iii, iv</sup>  
Optional: NVIDIA® GeForce® GTX 1650 4GB  
discrete graphics controller<sup>ii, iii</sup>

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)<sup>v</sup>  
Optional: 5M pixels webcam x 1<sup>vi</sup>  
Optional: Windows Hello face-authentication 5M camera  
(front-facing) x 1<sup>vi</sup>  
Docking connector x 1  
Optional: Thunderbolt™ 4 Type-C x 1<sup>i</sup>  
Optional: RF antenna pass-through for GPS, WWAN and  
WLAN

Configurable I/O options :

- 1. LAN (RJ45)<sup>viii</sup> + Serial port (9-pin; D-sub) + VGA port  
(15-pin; D-sub)
- 2. 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<sup>viii</sup>  
Bluetooth (v5.3)<sup>viii</sup>  
Optional: 2.5GBASE-T Ethernet<sup>vii</sup>  
Optional: Dual SIM (Nano-SIM 4FF and e-SIM)<sup>vi, ix</sup>  
Optional: 4G LTE mobile broadband<sup>v</sup>  
Optional: 5G Sub-6<sup>v, x</sup>  
Optional: Dedicated GPS with L1/L5<sup>xi</sup>

Security Feature

TPM 2.0  
Kensington lock  
Optional: Intel® vPro® Technology<sup>i</sup>  
Optional: Fingerprint reader  
Optional: HF RFID reader<sup>xii</sup>  
Optional: Windows Hello face-authentication 5M camera  
(front-facing)<sup>vi</sup>

Power

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

Dimension (W x D x H) & Weight

375 x 277 x 39mm (14.8" x 10.9" x 1.5"),  
2350g (5.18lbs)<sup>xiii</sup>

Rugged Feature

MIL-STD-810H certified  
IP53 certified  
Vibration & 3ft (0.9m) drop resistant<sup>xiv</sup>

Environmental Specification

Temperature<sup>xv</sup>:  
- Operating: -29°C to 63°C / -20°F to 145°F<sup>xvi</sup>  
- 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<sup>xvii</sup>  
Optional: Absolute Persistence®

Optional software

Getac Driving Safety Utility  
Getac Device Monitoring System (GDMS)  
Getac VGPS Utility<sup>xviii</sup>

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<sup>iii, iv, xix</sup>  
Multimedia bay DVD super multi drive<sup>iii, iv, xix</sup>  
AC adapter (90W, 100-240VAC, 50/60Hz)<sup>i</sup>  
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<sup>xx</sup>  
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,  
FHD LCD display with capacitive multi-touch screen,  
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	-	-



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