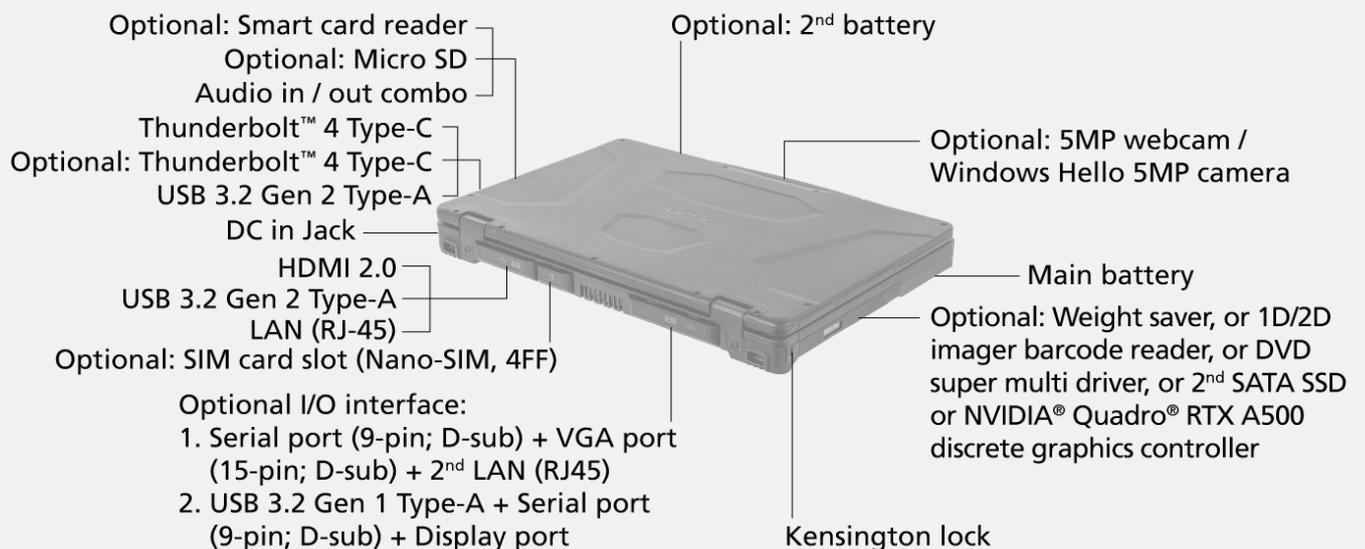# S510 RUGGED LAPTOP

- 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

CERTIFIED MIL-STD 810H | INGRESS PROTECTION IP53 | 3' DROP

S510 3D demo

Optional: Smart card reader
Optional: Micro SD
Audio in / out combo
Thunderbolt™ 4 Type-C
Optional: Thunderbolt™ 4 Type-C
USB 3.2 Gen 2 Type-A
DC in Jack
HDMI 2.0
USB 3.2 Gen 2 Type-A
LAN (RJ-45)
Optional: SIM card slot (Nano-SIM, 4FF)

Optional I/O interface:
1. Serial port (9-pin; D-sub) + VGA port (15-pin; D-sub) + 2nd LAN (RJ45)
2. USB 3.2 Gen 1 Type-A + Serial port (9-pin; D-sub) + Display port

Optional: 2nd battery

Optional: 5MP webcam / Windows Hello 5MP camera

Main battery

Optional: Weight saver, or 1D/2D imager barcode reader, or DVD super multi driver, or 2nd SATA SSD or NVIDIA® Quadro® RTX A500 discrete graphics controller

Kensington lock

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 [i]
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 [i]
Max. 4.9GHz with Intel® Turbo Boost Technology
- 12 MB Intel® Smart Cache

Graphics
Intel® Graphics
Optional: NVIDIA® Quadro® RTX A500
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 screen

Storage & Memory
16GB DDR5
Optional: 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, v]

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 [iii]
Optional: DVD super multi drive [iii, iv, xvii]
Optional: 2nd Storage [iii, iv, v]
Optional: NVIDIA® Quadro®
RTX A500 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
Docking connector x 1
Optional: 5MP webcam x 1 [vii]
Optional: SIM card slot x 1 (Nano-SIM, 4FF) [vi]
Optional: Windows Hello face-authentication 5MP camera
(front-facing) x 1 [vii]
Optional: RF antenna pass-through for GPS, WWAN and
WLAN
Optional: Thunderbolt™ 4 Type-C x 1 [i]

Configurable I/O options :
1. LAN (RJ45) [viii] + 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 7 BE200, 802.11be
Bluetooth (v5.4) [ix]
Optional: 2.5GBASE-T Ethernet [viii]
Optional: Dedicated GPS with L1/L5
Optional: 4G LTE mobile broadband with integrated GPS [vi, xii]
Optional: 5G Sub-6 with integrated GPS [vi, xi, xii]
Optional: Dual SIM (Nano-SIM 4FF and e-SIM) [vi, x]

Security Feature
TPM 2.0
Kensington lock
Optional: Intel® vPro® Technology [i]
Optional: Fingerprint reader
Optional: HF RFID reader [xiii]
Optional: Windows Hello face-authentication 5MP camera
(front-facing) [vii]
Optional: Absolute Persistence®

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")
2.35 kg (5.18lbs) [xiv]

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

Environmental Specification
Temperature [xvi]:
- Operating: -29°C to 63°C / -20°F to 145°F [xvii]
- 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 [xviii]
Optional: Absolute Secure Endpoint
Optional: Absolute Secure Access

Optional software
Getac Driving Safety Utility
Getac Monitoring
Getac VGPS Utility [xix]

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, v, xx]
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 [xxi]
Spare SSD kit
100W Type-C adapter
Getac DS100 USB-C docking station with AC adapter

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

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	-

Getac