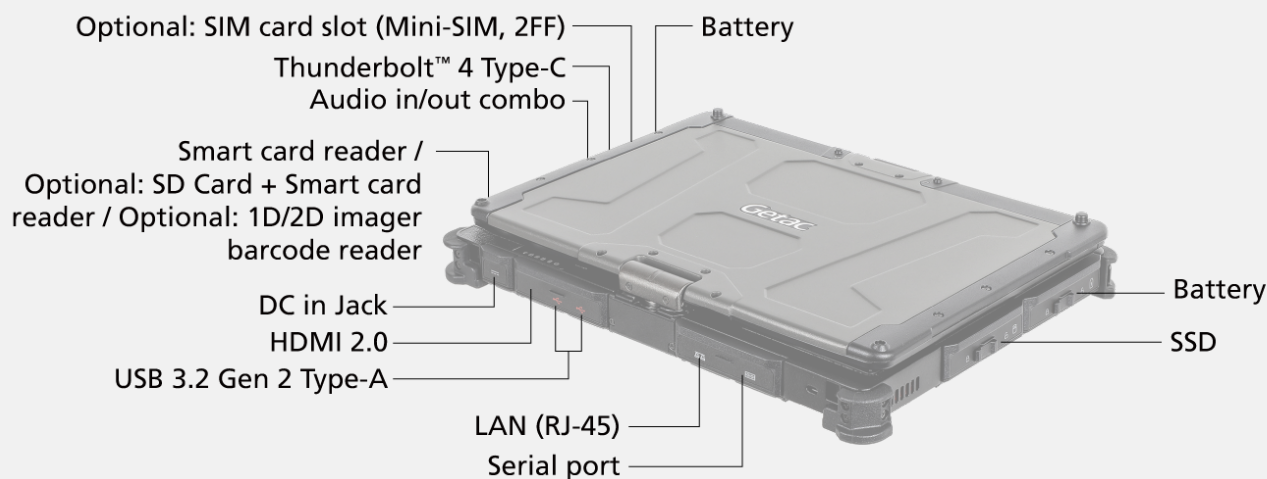# V110 FULLY RUGGED LAPTOP

- 12th Generation Intel® Core™ i7 / i5 vPro® Processor
- 11.6" FHD LumiBond display with Getac sunlight readable technology (1,000 nits) and capacitive touchscreen
- Enhanced enterprise security with Intel® vPro®, Windows disk encryption, TPM 2.0 and many more multi-factor authentication options
- Versatile I/Os connectivity including Thunderbolt™ 4 and docking solutions
- LifeSupport battery swappable technology

CERTIFIED MIL-STD 810H | CERTIFIED MIL-STD 461G | INGRESS PROTECTION IP65 | OPTIONAL SALT FOG RESISTANCE | 4' DROP | CERTIFIED ANSI | E

V110 3D Demo

Optional: SIM card slot (Mini-SIM, 2FF)
Battery
Thunderbolt™ 4 Type-C
Audio in/out combo
Smart card reader /
Optional: SD Card + Smart card reader / Optional: 1D/2D imager barcode reader
DC in Jack
HDMI 2.0
USB 3.2 Gen 2 Type-A
Battery
SSD
LAN (RJ-45)
Serial port

## SPECIFICATIONS

### Operating System
Windows 11 Pro

### Mobile Computing Platform
Intel® Core™ i5-1235U Processor
Max. 4.4GHz with Intel® Turbo Boost Technology
- 12MB Intel® Smart Cache

**Platform options:**
Intel® Core™ i5-1245U vPro® Processor
Max. 4.4GHz with Intel® Turbo Boost Technology
- 12MB Intel® Smart Cache

Intel® Core™ i7-1255U Processor
Max. 4.7GHz with Intel® Turbo Boost Technology
- 12MB Intel® Smart Cache

Intel® Core™ i7-1265U vPro® Processor
Max. 4.8GHz with Intel® Turbo Boost Technology
- 12MB Intel® Smart Cache

### VGA Controller
Intel® Iris® X$^e$ Graphics [i]

### Display
11.6" Wide Viewing Angle TFT LCD FHD (1920 x 1080)
Protection film
1,000 nits LumiBond display with
Getac sunlight readable technology
Capacitive multi-touch screen

### Storage & Memory
8GB DDR4
Optional: 16GB / 32GB / 64GB DDR4

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

### Keyboard
LED backlit membrane keyboard
Optional: Rubber keyboard
Power button
5 tablet programmable buttons

### Pointing Device
Touchscreen
- Capacitive multi-touch screen
- Optional: Dual mode touchscreen
(multi-touch and digitizer)
Touchpad
- Glide touchpad with left-click and right-click buttons

### Expansion Slot
Smart card reader [ii]
Optional: SD Card + Smart card reader [ii]
Optional: 1D/2D imager barcode reader [ii]

### I/O Interface
5MP webcam x 1 [iii]
Audio in/out combo x 1
DC in Jack x 1
Thunderbolt™ 4 Type-C x 1
USB 3.2 Gen 2 Type-A x 2
LAN (RJ45) x 1
HDMI 2.0 x 1
Serial port (9-pin; D-sub) x 1
Docking connector x 1
Optional: SIM card slot x 1 (Mini-SIM, 2FF) [iv]
Optional: Windows Hello face-authentication
FHD camera (front-facing) x 1 [iii]
Optional: RF antenna pass-through for GPS,
WWAN and WLAN
Optional: 8MP auto focus rear camera x 1

### Communication Interface
10/100/1000 base-T Ethernet
Intel® Wi-Fi 6E AX211, 802.11ax
Bluetooth (v5.3) [v]
Optional: Dedicated GPS [vii]
Optional: 4G LTE mobile broadband [vi, iv, xvi]
Optional: 5G Sub-6 [iv, vi, xvi]
Dual SIM (Mini-SIM 2FF and e-SIM) [vi]

### Security Feature
TPM 2.0
Kensington lock
Optional: Intel® vPro® Technology
Optional: Fingerprint reader
Optional: HF RFID reader [vii]
Smart card reader
Optional: Windows Hello face-authentication
FHD camera (front-facing) [iii]

### Power
AC adapter (65W, 100-240VAC, 50/60Hz)
Li-ion battery (11.1V, typical 2100mAh; min. 2040mAh) x 2
LifeSupport™ battery swappable technology

### Dimension (W x D x H) & Weight
313 x 238 x 39mm (12.32" x 9.37" x 1.53")
2.1kg (4.63lbs) [viii]

### Rugged Feature
MIL-STD-810H certified
IP65 certified
MIL-STD-461G certified [ix]
Vibration &amp; 4ft (1.2m) drop resistant [x]
Optional: ANSI/UL 121201, CSA C22.2 NO. 213
(Class I, Division 2, Groups A, B, C, D) [xi]
Optional: Salt fog certified

### 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 Camera
Getac Geolocation
Getac Barcode Manager [xiii]
Optional: Absolute Persistence®

### Optional software
Getac Driving Safety Utility
Getac Device Monitoring System (GDMS)
Getac VGPS Utility [xiv]

### Accessories
Battery (11.1V, typical 2100mAh; min. 2040mAh)
AC adapter (65W, 100-240VAC)
Capacitive stylus with tether

**Optional:**
Carry bag
Battery (11.1V, typical 2100mAh; min. 2040mAh)
Multi-Bay charger (Dual-Bay)
Multi-Bay charger (Eight-Bay)
AC adapter (65W, 100-240VAC)
Office dock AC adapter (90W, 100-240VAC)
MIL-STD-461 AC adapter (90W, 100-240VAC)
DC-DC vehicle adapter (120W, 11-32VDC)
Digitizer pen with tether
Capacitive stylus with tether
Protection film
Hard handle
X strap
Shoulder strap (2-point)
Vehicle cradle [xv]
Vehicle dock [xv]
Office dock
Spare SSD kit
100W Type-C adapter
Getac rugged keyboard

### V110 FULLY RUGGED LAPTOP

I. Units equipped with dual channel memory come with Intel® Iris® X$^e$ Graphics.
II. Smart card reader, Optional SD card + Smart card reader, and Optional 1D/2D imager barcode reader are mutually exclusive.
III. 5M webcam and optional Windows Hello face-authentication FHD camera (front-facing) are mutually exclusive options.
IV. Units with 4G/5G LTE option come with an embedded SIM card slot.
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 is operating in the area.
VI. One physical SIM card slot and one eSIM. Network service may vary depending on local telecommunication providers.
VII. 13.56MHz contactless HF RFID/NFC reader (ISO 15693, 14443 A/B, Mifare and FeliCa™ compliant).
VIII. Weight and dimensions vary from configurations and optional accessories.
IX. MIL-STD-461 90W AC adapter sold separately.
X. Drop test results vary from configurations and optional accessories.
XI. Available with limited configurations and environment conditions.
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. Support GLONASS, Galileo, and BeiDou. Only available in US, UK, EU, Australia and New Zealand.

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

### Contact Information
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| | Vehicle Dock | Office Dock |
|---|---|---|
| Serial Port | 2 | 2 |
| External VGA | 1 | 1 |
| Microphone | 1 | 1 |
| Audio Output | 1 | 1 |
| DC in Jack | 1 | 1 |
| USB | 1 | 1 |
| LAN | 4 | 4 |
| HDMI | 1 | 1 |
| RF Antenna Connector | 3 (WWAN, WLAN, GPS) | -- |