



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 7

[List View](#)**General Information** | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)**Procurement Folder:** 772030**Procurement Type:** Central Purchase Order**Vendor ID:** VS0000019002 **Legal Name:** MRA INTERNATIONAL INC**Alias/DBA:****Total Bid:** \$185,780.00**Response Date:** 09/17/2020 **Response Time:** 13:09**Responded By User ID:** mrainternational **First Name:** Bruno**Last Name:** Tirone**Email:** sales@mrainternational.c**SO Doc Code:** CRFQ**SO Dept:** 0803**SO Doc ID:** DOT2100000020**Published Date:** 9/11/20**Close Date:** 9/17/20**Close Time:** 13:30**Status:** Closed**Solicitation Description:** ADDENDUM No 1. Dell 5424 Ruggedized laptops or Equal
Total of Header Attachments: 7**Total of All Attachments:** 7

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Ruggedized Dell Latitude 5424 laptop or equivalent	70.00000	EA	2654.000000	185780.00

Comm Code	Manufacturer	Specification	Model #
43210000			

Commodity Line Comments: PLEASE NOTE GETAC ORDERS HAVE A 6-8 WEEK LEAD TIME.

Extended Description:

Ruggedized Dell Latitude 5424 laptop or equivalent

EXHIBIT A - PRICING PAGE

TOTAL INSTALLATION & DELIVERY COST

LOCATION -Building 5, Room 920, Charleston, WV 25305

Item Number	QTY	Description	Unit Price	Extended Price
1	70	3.1.1. Rugged Laptop with four year accidental damage warranty and Absolute Resilience Licensing		
				\$
				\$
				\$



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Office Equip.

Proc Folder: 772030		Reason for Modification:	
Doc Description: ADDENDUM No 1. Dell 5424 Ruggedized laptops or Equal		ADDENDUM NO.1	
Proc Type: Central Purchase Order		Addendum No.1 issued to publish and distribute the attached information to the Vendor Community	
Date Issued	Solicitation Closes	Solicitation No	Version
2020-09-11	2020-09-17 13:30	CRFQ 0803 DOT2100000020	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name :

Address :

Street :

City :

State : **Country :** **Zip :**

Principal Contact :

Vendor Contact Phone: **Extension:**

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 (304) 558-7839
 john.w.estep@wv.gov

Vendor Signature X *Eric Bodo* FEIN# DATE

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

ADDENDUM NO.1

Addendum No.1 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTATION:

The West Virginia Department of Transportation is soliciting bids to establish a contract for the one-time purchase of (70) Seventy Dell Latitude 5424 Rugged laptops or equal. Per the bid requirements, specifications, terms and conditions attached to this solicitation.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV 25305-0430 US	DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV 25305-0430 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Ruggedized Dell Latitude 5424 laptop or equivalent	70.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43210000			

Extended Description:

Ruggedized Dell Latitude 5424 laptop or equivalent

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions Due by 10:00am	2020-09-11

	Document Phase	Document Description	Page
DOT2100000020	Final	ADDENDUM No 1. Dell 5424 Ruggedized laptops or Equal	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SPECIFICATIONS

- PURPOSE AND SCOPE:** In accordance with the Department of Administration, Purchasing Division of the State of West Virginia, Doc Description: 63210004, Dell 5424 Ruggedized laptops or equivalent,” Getac is proud to present an alternative or equivalent product, that “MEET or EXCEED the specifications listed on this solicitation” and have prepared in our bid package, a “quote which contains a comparison of each requested specification and a detail of the specification contained within the alternative or equivalent product.”

Getac has prepared the following response to the West Virginia Department of Transportation solicitation to establish a contract for the one-time purchase of (70) Seventy Getac S410 Semi-Rugged laptop as an alternative to the Dell Latitude 5424 Rugged laptops.

- GETAC ALTERNATIVE SOLUTION:** For over 30 years, Getac has worked collaboratively with Resellers and End Users to identify, consult, develop and deploy rugged computing solutions across a wide range of sectors; such as public safety, warehousing, transportation, manufacturing, utility, telecom and the Department of Defense.

- GENERAL REQUIREMENTS:**

3.1 Why Getac: For over 30 years, Getac has worked collaboratively with Resellers and End Users to identify, consult, develop, and deploy rugged computing solutions across a wide range of sectors; such as warehousing, transportation, manufacturing, utility, telecom, public safety, and military / defense.

Developing IT procurement and purchasing activities for your organization can be a daunting task. Three factors must be considered to ensure your organizations ultimately procures an IT solution that meets your current needs and future needs of the organizations is *QUALITY, PRICE, and SERVICE AFTER SALE.*

Founded in 1989, Getac Technology Corporation is part of the MiTAC-Synnex Group, a multinational business group established in 1945. Its scope of businesses covers the computer, consumer electronics with more than \$40B of consolidated sales and is the 2nd largest rugged device Original Equipment Manufacturing (OEM) company in the world, consistently leading the industry in innovation, technology and design of rugged laptops and tablets.

Top Considerations for IT Purchase

QUALITY – ISO 9001 Factory & B2B Warranty

PRICE – Lowest TCO & Highest ROI

SERVICE AFTER SALE – FedEx Tech Connect & On-Shore 24/7 Tech Support


Getac’s primary goal is to offer a solution that streamlines productivity and withstands the rigors of the harshest working environments. Together with a



dedicated team of Sales Managers, Solutions, Architects, and Strategic 3rd Party Vendors, Getac is here to support your organizations procurement efforts through definition, procurement, and implementation.



- **Quality** – GETAC’s commitment to quality begins long before our rugged mobile devices hit the production line. We are an ISO 9001:2000 certified company which means we meet all ISO standards for product engineering and design as well as manufacturing. As an Original Equipment Manufacturer (OEM), Getac is the only global rugged manufacturer that builds every component. Rugged is all we do! We stand behind every Getac product by offering the industry leading Bumper to Bumper Warranty on every MIL-STD 810H certified laptop and tablet.
- **Price** - Getac is tremendously proud of the impacts we have made in helping leverage technology to support the changing role of mobile data terminals in Public Safety. Our goal is to provide solutions that enhance West Virginia’s DOT operations and reduce total cost of ownership (TCO). Inferior rugged devices need to be replaced frequently and very expensive to maintain and repair, often with very long turnaround times.
- **Service After Sale** – Getac support doesn’t end after the purchase order is received. Getac’s dedicated team of US-based service professionals ensure a smooth transition from procurement to installation. Warranty support is available 24-hrs/7 days a week, including holidays, utilizing the web-based customer portal. Device support is simple and seamless with our **FedEx** TechConnect partnership and the one of a kind ‘**Self-Maintainer**’ program provided at no additional cost to the organization.

3.2 Mandatory Contract Item Requirements: The Getac S410 Semi-Rugged laptop meets or exceed the mandatory requirements listed below.

3.2.1 (70) Seventy Getac S410 Semi-Rugged laptops. Laptop provided with the factory installed components listed below:

Desired Specifications	Proposed Specifications	Meets / Exceeds	Additional Details
8th Gen Intel Core i5-8350U processor (Quad Core, 6m Cache, 1.7GHz) or equal.	8th Gen Intel Core i5-8365U (Quad Core, 6MB Cache, 1.6 GHz – 4.1 GHz)	Exceeds	
Windows 10 Enterprise 64 English or equal.	Windows 10 Pro x64	Meets	S410-G3 includes the latest hardware technology to fully support the implementation of Microsoft Windows

			<p>10 identity and access control features including Windows Hello, Microsoft Passport, and Credential Guard</p> <p>TPM 2.0 helps to protect the system start-up process by ensuring it's tamper-free before releasing system control to the operating system</p> <p>Optional Absolute software disables a device the moment it's thought to be compromised</p>
Minimum 16 GB SDRAM - or equal	16 GB RAM	Meets	
Minimum 14" HD (1366x768) Non-Touch, with Camera with Privacy Shutter and Microphone-- or equal.	14" HD widescreen (1366 x 768) TFT LCD Non-Touch w/ FHD Webcam;	Meets	<p>Getac's LumiBond 2.0 technology utilizes a clear resin to optically bond the Tempered Glass, capacitive touch sensor and LCD panel into a single panel that is both more durable and improves readability.</p> 
Integrated Intel HD Graphics 620 - or equal	Intel UHD Graphics 620	Meets	
Minimum 1TB Solid State Hard Drive or equal	1TB SSD	Meets	
Intel Dual Band Wireless-AC 8260 (802.11ac) W/ BT & driver or equal	Intel Dual Band Wireless-AC 9260, 802.11ac Bluetooth (v5.0)	Exceeds	<p>Designed with Intel's latest Dual Band Wireless-AC 9260, this 5th Generation 802.11ac WiFi is engineered to deliver lower power consumption, improved RF coexistence and complete Windows 10 support for faster and more reliable data speeds.</p>
Sealed Internal RGB Backlit English Keyboard or equal	Splash-resistant LED Backlit keyboard	Meets	<p>IP53 Rating</p> 
90W AC Adapter with 3 - Cell (50Wh) Lithium Ion Battery with Express Charge	AC adapter (65W, 100-240VAC, 50/60Hz or 120W, 100-240VAC, 50/60Hz with NVIDIA configs.) Li-Ion battery (11.1V,	Meets	<p>Getac's hot swappable battery design allows users to change the main battery without shutting down the unit. Users can hot swap the main battery when the optional 2nd battery is installed in the media bay and has enough power to</p>

	4200mAh)		support the swap. 
Manufacturer' s Limited Hardware Warranty Initial 3 Year- or equal.	4 Year Manufacturer's Bumper To Bumper Warranty w/ Accidental Coverage	Meets	Warranty Service Includes: 1% Hot Spares Self-Maintainer Program FedEx Tech Connect
Must have a serial port connection	RS232+VGA Port	Meets	Additional I/O Ports Include: DC in x 1 USB 3.0 x 1 USB 3.1 Gen 2 x 2 USB 2.0 x 1 Network (RJ-45) x 1 Headphone-out / microphone-in combo x 1 HDMI x 1
<p>Additional Information: Dimensions: 13.8" x 11.5" x 1.4" (350 x 293 x 34.9 mm) 4.9 lbs (2.2kg)</p> <p>Operating Temperature: -20°F to 145°F / -29°C to 63°C Storage Temperature: -60°F to 160°F / -51°C to 71°C Humidity: 95% RH , non-condensing</p> <p>MIL-STD 810H Certified / IP53 Certified</p>	<p>The rugged & reliable S410 maximizes uptime which enables lower TCO & Better ROI:</p> <ul style="list-style-type: none"> • 3' drop per MIL-STD 810H ensures less lost time due to field failures, lower admin costs due to fewer repaired units, and smaller spares pool required • Island-style keyboard and IP53 sealing prevent liquids from entering the device from accidental spills 		

3.1.1.1 All hardware components and warranty/support are provided directly by hardware manufacturer.

3.1.1.2 Getac is providing with the bid, a detailed configuration document outlining all the components included in the equipment being specified. Getac has provided the following documents:

Attachment 1 – S410 Specification Sheet
Attachment 2 - S410 MIL-STD 810H Certificate
Attachment 3 - IP 53 Certificate
Attachment 4 - 3 Year Bumper to Bumper Warranty Card

Additional documents available upon request.

3.1.1.3 Getac Warranty Coverage: Quote includes pricing for a warranty upgrade to provide a total of four years in coverage. The warranty upgrade includes 24/7 Online Support, On-Shore Phone Support 0700 – 1900, 1% “Hot Spares” programs to simply replace “down” device with new device while repair is taking place, Self-Maintainer training and seed parts to further reduce device “time out of service” and our exclusive industry-leading FedEx TechConnect warranty repair service. Warranty also covers damages resulting from accidental falls, water exposure and other forms of unintentional damage.

Self-Maintainer Description - (Level I/II Repairs)

Getac offers an industry leading Self-Maintainer program to empower in house technicians to provide immediate services to defective unit for minor repairs. For Level I and Level II repairs, the Getac Self-Maintainer Program allows you to perform warranty repairs on Getac products. Instead of shipping products to Getac’s US-based Repair Center, the defective part can be swapped out by your own technicians. This allows you keep possession of your products and minimize downtime. Self-Maintainer repairs include all parts, and materials at no additional cost. Common cosmetic repairs like hatch door replacement are also included. Getac provides training for your team as part of the Self-Maintainer Program with an emphasis on parts replacement, product use and Getac’s Service System processing.

Upon successful completion of training, Getac supplies you an initial stock of seed parts to inventory at your location. When a repair is needed, your technician diagnoses the problem, creates an RMA in Getac’s Online Service System (GSS) then removes the required part from Getac consigned inventory and repairs the unit. To replenish the inventory, simply place the defective part in the used part box, put a copy of the RMA inside, write the RMA number on the outside of the box and return it to Getac. Upon receipt of the defective part, Getac will ship out a replacement part to you. When you receive the new part, place it into inventory for future repairs.

FedExTech Connect - (Level III Repairs)

With one of the lowest annual failure rates in the computer industry, Getac computers are built to survive. If one does need repair beyond the Level I & Level II Self-Maintainer program, we want to make it as convenient as possible. Getac has partnered with FedEx TechConnect, a fast, convenient, reliable service repair center located in Memphis, TN. Warranty repairs can be initiated 24 hours a day, 7 days a week on the customer web portal. With over 1,800 FedEx Office locations nationwide, it's easy to find a convenient drop-off location to Lowe's facilities. Once the device is shipped to the end of runway state of the art facility, technology repair specialists, certified by Getac, provide diagnostics, repair, re-image and upgrade services with quality assurance methodologies designed to verify that everything is working properly.

All Getac warranty repairs are performed by expert technicians using only Getac original production parts. Every repair comes with online three-stage tracking of the inbound shipment to the repair center, during repair or upgrade, and the return shipment back to the designated location. With the 24/7 online monitored chain of custody, your system is always either with FedEx or you. Average repair time, excluding shipping, is 2.7 days.

3.2.1 Absolute Resilience Licensing Software / Support Services - 5 Year Term, or Equal

3.2.1.1 Getac has provided a quote for (70) licenses for Absolute Resilience Licensing Software/ Support Services 5 Year Term, or Equal. Equality will be determined by:

3.2.1.1.1 Getac must provide data and device security software that enables tracking, monitoring, and provides theft recovery services.

3.2.1.1.2 If Getac is unable to recover a lost and/or stolen device, the Vendor must reimburse the State for the cost of the machine at the time of purchase.

3.2.1.1.3 Five years' coverage begins at activation of license.

3.2.1.1.4 Software allows for centralized management of software.

3.2.1.1.5 If Getac is providing Absolute licensing, all licenses procured under this agreement must be added to the State's current Absolute Account #208587.

3.2.1.1.6 Getac provides technical support by web, phone, and email during business hours. Getac's devices are built to the highest standard; however, Getac understands accidents are inevitable in this environment. Warranty support is available 24-hrs/7 days a week, including holidays, utilizing the web-based customer portal.

3.2.1.1.7 Vendor must provide 24x7 online access to chat support, management of service requests, knowledge base, troubleshooting and technical documentation. Getac employs a multi-layered support structure, at no cost to the organization that includes a Solutions Architect, Field Service Engineer, and Tier 3 Technical Support. In addition, Getac's 24/7 technical support is available via email at GetacSupport_US@getac.com or by phone at +1 (866) EZ-GETAC [+1 (866) 394-3822]. All support requests via phone or email are logged in our internal ticketing system and assigned to the appropriate resource. Escalation to product or software engineering is engaged as needed. The GSS2.0 (Getac Service System) allows real-time tracking of hardware repairs and history. For technical support incidents, a ticket # is generated for every request and on-going and final resolution can be obtained by referring to previously assigned ticket #. Getac does not use "off-shore" technical support. Currently our technical support for North America is in Irvine, CA and Buffalo, NY.

3.2.1.1.8 Getac provides access to updates, patches and upgrades for software and firmware at the customer portal assigned after receipt of purchase order. Each Getac user has access to a unique service dashboard that provides real time reporting on device health, service request performance and additional device information.

3.2.2 Alternate 'or Equal' Submission

3.2.2.1 Getac's alternative brand includes documentation confirming the ability to provide all services contained within the licensing of Absolute Resilience. Getac will provide this information upon request.

3.2.2.2 Getac has provided alternate brand information with alternative part numbers and brand on Pricing Sheets.

3.2.2.3 Reseller will assume any costs related to installation of new software, hardware, and training of the new software provided as part of this agreement.

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

Getac acknowledges and accepts section 4.1.

4.2 Pricing Page: Reseller should complete the Pricing Page by providing a total cost for the hardware being requested. Reseller should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Reseller's bid being disqualified.

5. PAYMENT:

5.1 Payment: Getac shall accept payment in accordance with the payment procedures of the State of West Virginia.



Spec_Sheet_S410_G
3_V2M10Y19.pdf



S410G3+MIL-STD-8
10H.pdf



S410G3+IP53.pdf



3Year B2B warranty
card .pdf



QUOTE NUMBER: Q-034062 v1

Date Quoted: 09-17-2020

Expiration Date: 10-14-2020

PREPARED FOR BILLING / SHIPPING ADDRESS

John Estep
(304) 558-7839
john.w.estep@wv.gov

Bill-To:
WV Department of
Administration
2019 Washington St E
Charleston, WV 25305

Ship-To:
WV Department of
Administration
2019 Washington St E
Charleston, WV 25305

MRA ACCOUNT TEAM

Account Manager:
Eric Bodo
(732) 403-3303
eric@mrainternational.com

Prepared by:
Eric Bodo
(732) 403-3303
eric@mrainternational.com

QUOTE NAME: DOT2100000020 - Getac S410 Semi-Rugged Laptop x 70
STATE CONTRACT: National IPA/TCPN IT (R160203)

Hardware / Software

PART NUMBER	ITEM DESCRIPTION	PRICE	QTY	EXT. PRICE
SL3NTHAASDXJ	Getac S410 Semi-Rugged Laptop - 14" HD (1366 x 768) NT with Webcar - Intel Core i5-8365U Quad-core 1.60 GHz - 16GB RAM - 1TB SSD - Windows 10 Pro 64 - Intel UHD Graphics 620 - Intel Dual Band Wireless-AC 9260 + BT - RS232 + VGA Port - 3yr Limited Warranty	\$1,994.00	70	\$139,580.00
GE-SVSRNFX4Y	Getac Bumper-to-Bumper - 4 Year Extended Warranty - Warranty - Maintenance - Parts & Labor - Physical Service	\$524.00	70	\$36,680.00
OSDDPRM60	Absolute Resilience (DDSPRM-F-V1-60) - 60 Month Term - 1-2499 Unit Volume	\$136.00	70	\$9,520.00

SUBTOTAL: \$185,780.00

MRA International is an Authorized Warranty Repair Center and the only company authorized to deliver Accidental Damage Protection (ADP) for Hewlett Packard (HP) products in the state of New Jersey.

When submitting a PO for HP / HPE products, please use the following Location ID:

Personal Computers and Printers
Location ID: 10279484

Servers, Storage and Networking
Location ID: 10037127

Mailing Address:
295 Morris Ave, Suite 101
Long Branch, NJ 07740-6515

S410

SEMI RUGGED 14" LAPTOP

- 3rd Generation S410
- 14" HD or Full HD IPS display
- Optional Intel® 8th generation Core™ i7 and i5 processors
- Optional 1000 NIT Lumibond 2.0™ sunlight readable touchscreen
- Optional NVIDIA® GeForce® 4GB discrete graphics card
- Optional dual hot-swappable battery design
- Optional integrated 4G LTE mobile broadband
- MIL-STD 810H and IP53 certified¹ (3 foot drop)
- Certified for -20°F low temperature



Speed for Multi-Tasking

Intel 8th generation Core i7 and i5 processors give the 3rd generation S410 best-in-class performance for data-intensive multi-tasking. This latest generation offers faster boot up and faster performance while using less power.



Purpose Built Configuration

The S410's no-compromise set of integrated features, configurable options and complete accessory ecosystem provide you with a truly "purpose-built" tool for more successful implementations. This includes second battery, second LAN, PowerShare USB 3.0, discrete GPS and vehicle mounting capability.



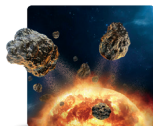
Multi-Level Security

S410 was the first to use Intel's TPM 2.0 for powerful anti-tampering protection. Combined with IR camera, fingerprint scanner, smart card reader, optional Absolute™ and additional Microsoft security features, the S410 offers extensive protection for your data and device.



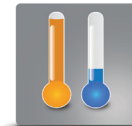
Sunlight Readable Display.

The S410 semi-rugged laptop offers an advanced, Lumibond 2.0 multi-touch display with up to 1000 NITs of brightness. By bonding tempered glass with the touch panel and LCD, we've created a single pane with amazing durability, readability and responsiveness.



Amazing Graphics.

The S410 offers FHD display along with an optional NVIDIA® GeForce® GTX 1050 4GB graphics card. Combined, these features produce extreme clarity and contrast for amazing graphics performance.



Extreme Temperature Range

Being able to work in any environment is critical, even freezing cold or extreme heat. The S410 is certified to perform when you need it, even in temperatures as cold as -20°F and as hot as 145°F.

GETAC S410

Specifications



Getac

GetacSales_US@getac.com
www.getac.com
949.681.2900

Ruggedness	Semi-Rugged MIL-STD 810H certified (vibration, temperature, shock, altitude and humidity) IP53 certified 3 foot drop - 26 faces (non-operational) Covered ports	Customizable Bay (One option only)	Optional PCMCIA Type II Optional ExpressCard34/54 Optional DVD super multi drive Optional 2nd battery
Operating System	Windows® 10 Professional	Expansion Slot	SD Card Reader Optional smart card reader
CPU	Intel® Core™ i7-8665U vPro 1.9GHz processor with Turbo Boost Technology up to 4.8GHz 8MB Intel Smart Cache Intel Core i7-8565U 1.8GHz processor with Turbo Boost Technology up to 4.6GHz 8MB Intel Smart Cache Intel Core i5-8365U vPro 1.6GHz processor with Turbo Boost Technology up to 4.1GHz 6MB Intel Smart Cache Intel Core i5-8265U 1.6GHz processor with Turbo Boost Technology up to 3.9GHz 6MB Intel Smart Cache Intel Core i3-8145U 2.1GHz processor with Turbo Boost Technology up to 3.9GHz 4MB Intel Smart Cache	Security	Intel vPro™ Technology (per CPU options) TPM 2.0 Cable lock slot Optional Windows Hello webcam Optional smart card reader Optional LF/HF RFID reader* NIST BIOS compliant Optional fingerprint reader Optional Absolute™ software
Memory	4GB DDR4 expandable to 32GB	Communications	10/100/1000 base-T Ethernet Intel Dual Band Wireless-AC 9260, 802.11ac Bluetooth (v5.0) Optional dedicated GPS Optional 4G LTE multi-carrier mobile broadband with CA ² Optional FirstNet Ready™ EM7511 Band 14 mobile broadband
Storage	SATA 256GB; Optional 512GB/1TB SSD [†] ; Optional 2nd Storage (onboard) 256GB	Power	AC adapter (65W, 100-240VAC, 50/60Hz or 120W, 100-240VAC, 50/60Hz with NVIDIA configs.) Li-Ion battery (11.1V, 4200mAh) Optional Media Bay 2nd battery (11.1V, 4200mAh)
VGA Controller	Intel UHD Graphics 620 Optional NVIDIA® GeForce® GTX 1050 4GB discrete graphics	Dimensions and Weight	13.8" x 11.5" x 1.4" (350 x 293 x 34.9 mm) ^{††} 4.9 lbs (2.2kg)
Display	14" HD widescreen (1366 x 768) TFT LCD Optional 1000 NITS LumiBond® sunlight readable display with multi-touch technology Optional Full HD 14" IPS LCD (1920 x 1080) 800 NITS LumiBond sunlight readable display with multi-touch technology	Temperature	Operating: -20°F to 145°F / -29°C to 63°C Storage: -60°F to 160°F / -51°C to 71°C Humidity: 95% RH , non-condensing
Webcam	Optional integrated FHD webcam (1920x1080); or Windows Hello webcam	I/O Interfaces	DC in x 1 USB 3.0 x 1 USB 3.1 Gen 2 x 2 USB 2.0 x 1 Network (RJ-45) x 1 Headphone-out / microphone-in combo x 1 HDMI x 1 Optional Serial port (RS-232: 9-pin, D-sub) x 1 Optional VGA port (15-pin, D-sub) x 1 Docking connector x 1 Optional RF antenna pass-through for GPS, WLAN and WWAN Optional PowerShare USB 2.0, LAN (RJ-45), or USB 3.1 Gen1 Type-C x 1
Keyboard	Splash-resistant membrane keyboard Optional splash-resistant LED backlit keyboard	Warranty	3 Year limited warranty standard ^{‡w}

Standard and optional features vary depending on purchased configuration. Specifications subject to change without notice.

[†] MIL-STD 810H certified for vibration, temperature, shock, altitude, humidity and 3 ft drop.

² Data plan required. Cellular data is available in the US on Verizon Wireless and AT&T networks. LTE is available in select markets. Check with your carrier for details. 4G LTE configuration must be ordered at time of purchase.

³ Computers configured with a 32-bit operating system can address up to 3GB of system memory. Only computers configured with a 64-bit operating system can address 4 GB or more of system memory.

[†] For storage, 1GB = 1 billion bytes; actual formatted capacity less.

^{††} Dimensions and Weight vary by configuration and manufacturing process.

[‡] 3 year limited warranty standard. For warranty terms and conditions visit www.getac.com

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