

# Getac

Windows®. Life without Walls™.  
Getac recommends Windows 7.

Getac X500  
Fully Rugged Notebook

**The Impeccable Force to Outperform**  
*Multiple Communications Interfaces for  
Greater Interoperability*



 **RedLinx™**  
Embedded Solutions  
[www.redlinx.co.za](http://www.redlinx.co.za)

## X500

Fully Rugged  
**Notebook**



Night Vision



Expansion Unit



QuadraClear™ Technology



Backlight Keyboard



Discrete VGA

- 1000 nits QuadraClear™ Sunlight Readable Display with Multi-touch Screen
- 15.6" TFT LCD HD (1366 x 768)
- MIL-STD-810G and IP65 Certified
- Optional NVIDIA® GeForce® GT330M 512MB Discrete Graphic Controller
- Optional Night Vision
- Multimedia Bay Feature Maximizes Flexibility and Customized Applications



Getac X500 is the first rugged and fully equipped standard military grade commercially available notebook. For the first time, a customized military grade I/O interface is configured into standard specifications, enabling an I/O interface that fully complies with military standards. This capability greatly reduces the long period of time usually required by complex customization and realizes the feasibility of configuration of customized military equipment into standard specifications.

Combined with Intel® Core™ i5-520M or Intel® Core™ i7-620M processors and NVIDIA® GeForce® GT330M 512MB graphic controller, Getac X500 demonstrates excellent processing performance and is capable of compiling the intelligence information acquired from various information devices. In addition, Getac X500 can effectively support special military software and perform quick conversions of 2D and 3D images and precise positioning of the locations of the enemy and own forces, making it the rugged notebook with the best processing performance among others of the same grade on the market.

Reporting MIL-STD-810G and IP65 certified ratings issued by the military, ninety percent of the Getac X500 is made with metal, rubber and plastic materials, and passes the fungus test with excellent anti-fungus effect. With the optional expansion unit and the built-in PCI & PCIe interface, one can conduct equipment expansion and matching for maintenance according to the actual situation of time and environment, fully satisfying the demand of military customization.

## Interface



### Back Side

- DC in Jack x 1
- USB 2.0 x 1
- USB 2.0 / eSATA Combo x 1
- HDMI x 1
- Serial port x 2
- External VGA x 1
- Audio output x 1
- Microphone x 1
- LAN (RJ45) x 2



### Left Side

- USB 2.0 x 2
- PCMCIA Slots (Type II x 2 or Type III x 1)
- ExpressCard / 54 x 1
- Multimedia Bay x 1
- Smart card Reader x 1



### Right Side

- Battery pack x 1
- HDD x 1

## Industry Applications



### Military Command and Control

As the military commander is executing the battle plan in the front line of the battlefield, synchronous communications with various information devices (GPS transmitter/receiver, network, and servers, etc.) are needed to acquire real time information of all armed forces. For the first time, Getac X500 standardizes the customized military grade interface and in an all-inclusive manner, provides the I/O interface specific to the customized military specifications (including 2 LANs, 2 serial ports, e-SATA, etc.). This capability minimizes the demands of military equipment customization and assists the ever-changing front line commander to analyze dynamic information, set strategy, mobilize troops, and give orders in real time.



### Military Maintenance

With a diversified I/O interface reserved, Getac X500 is capable of simultaneously supporting multiple transmission interfaces and conducting multi-task processing, which enables military maintenance crews to perform equipment diagnosis on duty by connecting related external devices. The Multimedia Bay of Getac X500 retains the flexibility of customization and space, which allows maintenance crews to make adjustments accordingly. In addition, combined with the PCI & PCIe interface in the expansion slot which is optional for purchase, Getac X500 allows maintenance crews to readily perform flexible expansion and matching depending on actual maintenance situations.

## Optional Accessories



Battery Charger



Main Battery  
(8700mAh)



Multimedia Bay  
2nd Battery (8700mAh)



Multimedia Bay  
2nd HDD



AC Adapter  
(90Watts, 100-240VAC)



MIL-STD-461F Certified AC Adapter  
(90W, 100-240VAC)



Vehicle Adapter  
(90Watts, 11-16VDC and 22-32VDC)



Stylus



PCI Expansion Unit (x 2 slots) or  
PCI-Express Expansion Unit (x 2 slots)

# Specifications

<b>Operating System</b>	Genuine Windows® 7 Professional Genuine Windows Vista® Business	<b>I/O Interface</b>	Serial port (9-pin; D-sub) x 2 External VGA (15-pin; D-sub) x 1 Microphone (Mini-jack) x 1 Audio output (Mini-jack) x 1 DC in Jack x 1 USB 2.0 (4-pin) x 3 USB 2.0 / eSATA Combo x 1 LAN (RJ45) x 2 HDMI x 1 Docking connector (80-pin) *1 Optional RF antenna pass-through for GPS, WLAN and WWAN
<b>Mobile Computing Platform</b>	Intel® Core™ i5 Technology - Intel® Core i5-520M Processor 2.4GHz, Max. 2.93GHz with Intel® Turbo Boost Technology - 3MB L3 Intel® Smart Cache - Mobile Intel® QM57 Express chipset - Optional vPro™ Technology  Intel® Core™ i7 Technology - Intel® Core i7-620M Processor 2.66GHz, Max. 3.33GHz with Intel® Turbo Boost Technology - 4MB L3 Intel® Smart Cache - Mobile Intel® QM57 Express chipset - Optional vPro™ Technology	<b>Communication Interface</b>	10/100/1000 base-T Ethernet Intel® Centrino® Advanced-N 6200; 802.11 a/b/g/n Optional Bluetooth (v2.1+EDR class 2) Optional GPS Optional Gobi™2000 mobile broadband
<b>VGA Controller</b>	Intel® Graphics Media Accelerator HD <sup>i</sup> Optional NVIDIA® GeForce® GT330M 512MB discrete graphic controller	<b>Software</b>	Getac Utility Getac Camera Getac V-GPS Adobe® Reader®
<b>Display</b>	15.6" TFT LCD HD (1366 x 768) 1000 nits QuadraClear™ sunlight readable display with multi-touch screen	<b>Security Feature</b>	Intel® vPro™ Technology TPM 1.2 Fingerprint scanner Smart card reader Kensington lock
<b>Storage &amp; Memory</b>	2GB DDR3 expandable to 8GB SATA HDD 320 GB Optional SATA SSD 160GB	<b>Power</b>	AC adapter (90W, 100-240VAC, 50 / 60Hz) Li-Ion smart battery (8700mAh) <sup>ii</sup> Optional Multimedia Bay 2nd Li-Ion smart battery (8700mAh)
<b>Keyboard</b>	Membrane keyboard with module keys Optional LED backlit membrane keyboard with module keys Optional LED backlit rubber keyboard	<b>Dimension (W x D x H) &amp; Weight</b>	410 x 290 x 65mm (16.1 x 11.4 x 2.5), 5.2 kg (11.4 lbs) <sup>iii</sup>
<b>Pointing Device</b>	Touchscreen - Optional pressure sensitive touchscreen Touchpad - Resistive touchpad	<b>Rugged Feature</b>	MIL-STD-810G certified and IP65 certified MIL-STD-461F certified Optional UL1604 Class 1, Division 2, Group A, B, C, D Full magnesium alloy case Shock-protected removable HDD Vibration & drop resistant Optional night vision
<b>Expansion Slot</b>	PCMCIA Type II x 2 ExpressCard/54 x 1 Smart card reader x 1	<b>Environmental Specification</b>	Temperature <sup>iv</sup> : - Operating: -20°C to 60°C / -4°F to 140°F - Storage: -51°C to 71°C / -60°F to 160°F Humidity: - 95% RH, non-condensing
<b>Multimedia Bay</b>	DVD super multi drive Optional 2nd battery		

- i Share memory size may vary by different operating system and RAM size.
- ii Battery life testing conducted under BatteryMark 4.0.1. Battery performance will vary upon software applications, wireless settings, power management settings, LCD brightness, customized modules and environmental conditions. The battery has a limited number of charge cycles and may eventually need to be replaced by a Getac service provider. Battery life and charge cycles vary by use and settings.
- iii Weight varies from configurations and optional accessories.
- iv Tested by a national independent third party test lab following MIL-STD-810G.



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