GETAC X500 Fully Rugged Notebook

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.

Key Features

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 Fully Rugged Notebook

Rugged Systems – Marlin House, 459 London Road, Camberley, Surrey GU15 3JA, UK
Tel +44 (0)1276 686707 Fax +44 (0)1276 684329 www.rugged-systems.com

Getac X500
Specifications

FUNCTIONAL

Processor	Intel® Core™ i5/i7 Technology Intel® Core i5-520M Processor 2.4GHz, Max. 2.93GHz with Intel® Turbo Boost Technology, 3MB L3 Intel® Smart Cache 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
Memory	2GB DDR3 expandable to 8GB
Storage	SATA HDD 320 GB (Optional SATA SSD 160GB)
Display	15.6" TFT LCD HD (1366 x 768) 1000 nits QuadraClear™ sunlight readable display with multi-touch screen Intel® Graphics Media Accelerator HDi (Optional NVIDIA® GeForce® GT330M 512MB discrete graphic controller)
I/O Ports	External video 15pin Headphones/speakers Mini-jack Stereo Microphone/Line in Mini Jack HDMI 4pin Port Replicator 80pin Serial D-sub (x2) 9pin External GPS antenna Connection 50 Ohm Coaxial USB 2.0 (x3) 4pin 10/100/1000 Ethernet (x2) RJ-45
Security Features	Intel® vPro™ Technology, TPM 1.2, Fingerprint scanner, Smart card reader, Kensington lock
PCMCIA	PCMCIA Type II x 2, ExpressCard/54 x 1, Smart card reader x 1
Integrated Communications	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
Operating System	Genuine Windows® 7 Professional or Genuine Windows® Vista Business

ENVIRONMENTAL (MIL-STD 810G)

Temperature	According to IEC 68-2-1,2,14 / MIL-STD-810G, Method 501.4, 502.4 • Operating: -20℃ to 60℃ / -4°F to 140 °F • Non-operating: -51℃ to 71℃ / -60℉ to 160℉ • Humidity: 95% RH , non-condensing
Water/Dust	IP 65 compliance
Vibration	According to IEC 68-2-6 / MIL-STD-810G, Method 514.5
Drop	According to IEC 68-2-32 / MIL-STD-810G, Method 516.5
Altitude	According to IEC 68-2-13/ MIL-STD-810G, Method 500.4 • Operating: 15,000ft • Non-operating: 40,000ft • Altitude change rate: 2,000ft/min

PHYSICAL

Dimensions	410 x 290 x 65mm (16.1 x 11.4 x 2.5”)
Weight	5.2 kg (11.4 lbs)
Structure	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

ELECTRICAL

AC Input	AC Adapter (90W, 100-240V, 50/60Hz)
Battery	Li-Ion Smart battery (7650mAh) (Up to 12 hours of battery life)** Optional Mutlimedia Bay 2nd Li-Ion smart battery (8700mAh)

OPTIONS

	Optional SATA SSD 160GB Optional 2nd storage: HDD 320 GB; SSD 160 GB Optional LED backlit membrane keyboard with module keys graphic controller Optional UL1604 Class 1, Division 2, Group A, B, C, D, Optional night vision
Communications	Optional RF antenna pass-through for GPS, WLAN and WWAN Optional Bluetooth (v2.1+EDR class 2), Optional GPS, Optional Gobi™2000 mobile broadband

Information in this document is subject to change without notice.

Rugged Systems is one of Europe’s leading suppliers of rugged, mobile computer, display and communications solutions and services. Specialising in applications such as test & measurement, command and control, data acquisition, secure data & computing, TEMPEST and ultra-reliable message transfer over noisy tactical communication channels. The company strives to be innovative and provide cost effective solutions, through many years of knowledge and experience

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