

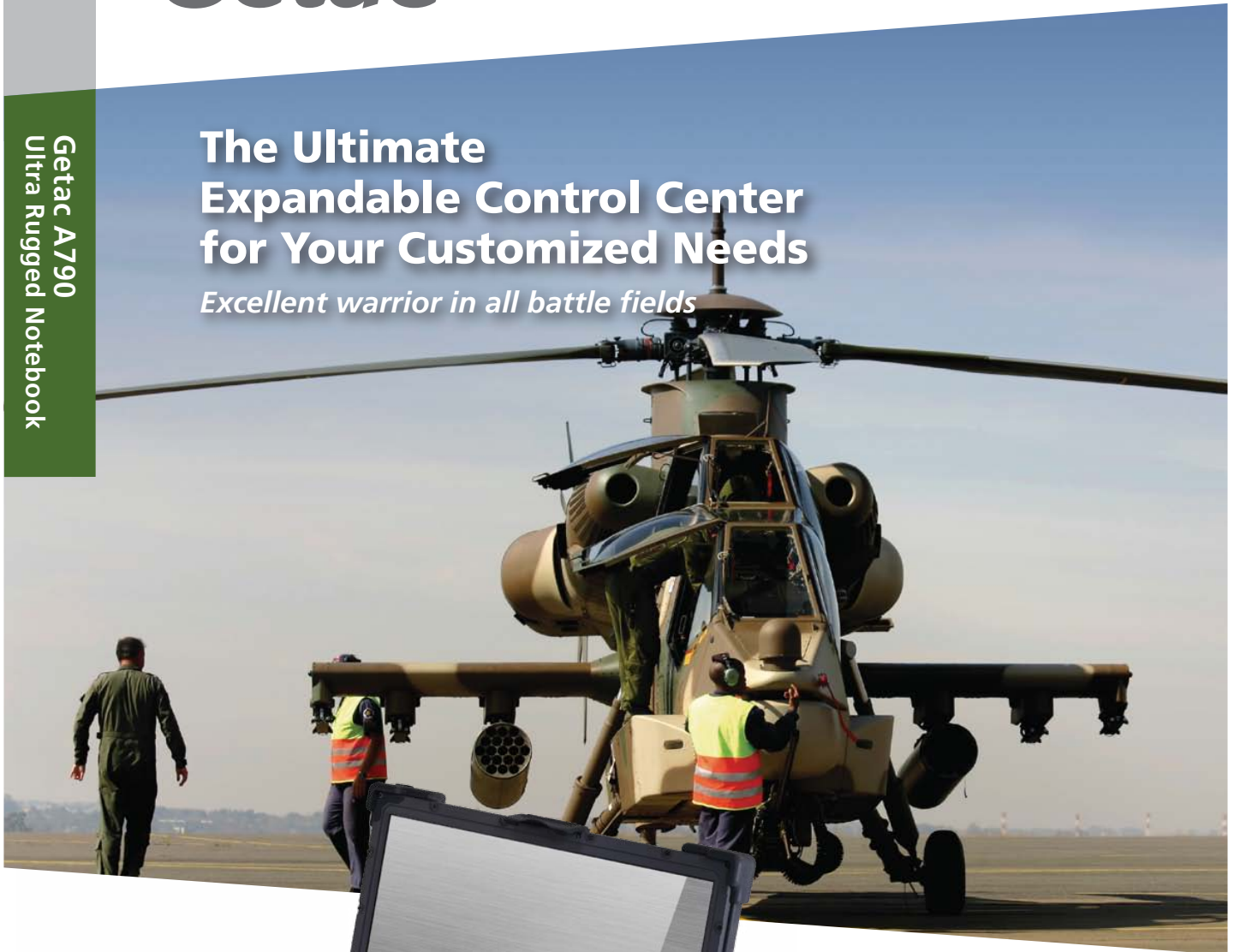
# Getac

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

Getac A790  
Ultra Rugged Notebook

## The Ultimate Expandable Control Center for Your Customized Needs

*Excellent warrior in all battle fields*



# A790

Ultra Rugged  
Notebook

## A790 Ultra Rugged Notebook



Backlit Keyboard



Fanless



X Bay



Expansion Unit



3.5G WWAN

- Multiple Bay Feature Maximizes Flexibility and Customized Applications
- 14.1" QuadraClear™ Sunlight Readable Display
- MIL-STD-810G Certified and IP65 Compliance
- Full Magnesium Alloy Case
- Sealed Ports and Connectors
- Shock-protected Removable HDD
- Vibration & Drop Resistant
- Versatile Wireless Access: WLAN, WWAN, and Bluetooth
- Fan-less Design



The Getac A790 is the latest ultra-rugged model of the Getac Rugged Notebook Family. This extremely rugged notebook not only meets MIL-STD-810G certified and IP65 compliance ratings to survive the harshest environments, but also satisfies critical EMI requirements.

A high performance 14.1" TFT sunlight readable LCD provides consistent and efficient operation along with a shock-protected HDD, and a wide range of ambient temperature features.

The A790 also possesses multiple bays for extensive versatility and expandability. Users have the luxury of employing the bays with additional removable HDDs for storage capacity expansion, auxiliary batteries for extended use, or other additional modules such as Bluetooth, GPS, and more.

Complementing this multifunctional rugged unit are the state-of-the-art authentication capabilities including a TPM chip, a fingerprint scanner, and a smart card reader, to safely protect confidential information.

### Interface



#### Back Side

- DC in Jack x 1
- USB 2.0 x 2
- Docking Connector x 1
- LAN (RJ45) x 1
- Modem (RJ11) x 1
- External VGA x 1
- Parallel Port x 1
- Serial Port x 1
- IrDA x 1



#### Left Side

- Primary Battery Pack x 1
- X Bay x 1



#### Right Side

- IEEE 1394b x 1
- Audio Output x 1
- Speakers x 2
- Microphone x 1
- Media Bay x 1
- Shock-protected HDD x 1
- PCMCIA Slots (Type II x 2 or Type III x 1)

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## Industry Applications



### Military

A790 - MIL-STD-810G certified and IP 65 compliance - is the best rugged solution supporting air force, army, and navy combat operations. It features multiple bays that enable extensive versatility and expandability required by the military market. A790 facilitates asset management to track numerous military equipments or components and relevant information is reported to commands by wireless transmission to ensure timely maintenance, repair, or replacement.



### Manufacturing

The shock-protected removable HDD, fan-less design and sealed I/O ports are A790's unique features to ensure effectiveness and stability under extreme environments. Its expansion unit connects equipment and facilities in order to conveniently control and monitor their operation. The ultra shock mount and vehicle dock customized for A790 make this rugged unit highly available and effective under various mission critical environments.



### Public Safety

Boarder patrollers and customs officers responsible for crackdown on illegal immigrants or smuggling are able to use the extremely rugged A790 that enables effective surveillance. Confidential information is protected by A790's advanced TPM chip, fingerprint scanner, smart card reader, and data analysis and databank establishment are facilitated by wireless transmission.

## Optional Accessories



### Vehicle Dock

W x D x H: 348 x 310 x 215mm  
(13.70" x 12.20" x 8.46")

- DC in Jack x 1
- USB 2.0 x 2
- Serial Port x 2
- Parallel Port x 1
- Video Capture x 1
- Speaker x 2



### Ultra Shock Mount

W x D x H: 420 x 390 x 153mm  
(16.54" x 15.35" x 6.02")



### Vehicle Mount

W x D x H: 310 x 302 x 111mm  
(12.20" x 11.89" x 6.02")



Carry Bag



Battery Charger



Main Battery  
(7800mAh)



Multimedia Bay  
2nd Battery (5200mAh)



X Bay 3rd Battery  
(5200mAh)



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



Stylus



ISA Expansion Unit  
(x 2 slots)



PCI Expansion Unit  
(x 2 slots)



PCI-Express  
Expansion Unit  
(x 2 slots)



External USB FDD



Port Replicator

## 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 1 Parallel port (25-pin; D-sub) x 1 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 2 Modem (RJ11) x 1 LAN (RJ45) x 1 IEEE 1394b x 1 Docking connector (80-pin) x 1 IrDA x 1
<b>Mobile Computing Platform</b>	Intel® Centrino® Technology - Intel® Core™ Duo Processor L2400 1.66 GHz or Intel® Core™2 Duo Processor L7400 1.5 GHz - 667 MHz FSB - 4MB L2 cache - Mobile Intel® 945GM Express chipset	<b>Communication Interface</b>	10/100/1000 base-T Ethernet 56K ITU V.92 modem Intel® WiFi Link 5100; 802.11 a/b/g/n Optional Bluetooth (v2.0+EDR class 2) Optional GPS Optional GSM / GPRS / EDGE / UMTS / HSDPA
<b>VGA Controller</b>	Intel® Graphics Media Accelerator 950 Max. 128MB shared memory	<b>Software</b>	Adobe® Reader®
<b>Display</b>	14.1" TFT LCD XGA (1024 x 768) Optional QuadraClear™ sunlight readable display with touchscreen	<b>Security Feature</b>	TPM 1.2 Optional fingerprint scanner Optional smart card reader Kensington lock
<b>Storage &amp; Memory</b>	2GB DDR2 expandable to 4GB SATA HDD 160GB / 320GB Optional SATA SSD 80GB	<b>Power</b>	AC Adapter (90W, 100-240VAC, 50 / 60Hz) Battery - Primary: Li-Ion smart battery (7800mAh) <sup>ii</sup> - Optional Bay 1: Li-Ion smart battery (5200mAh) - Optional Bay 2: Li-Ion smart battery (5200mAh)
<b>Keyboard</b>	Rubber keyboard Optional LED backlit rubber keyboard	<b>Dimension (W x D x H) &amp; Weight</b>	332.2 x 279 x 85.4 mm (13.08" x 10.99" x 3.37"), 5.9 kg (13 lbs) <sup>iii</sup>
<b>Pointing Device</b>	Touchscreen - Optional pressure sensitive touchscreen Touchpad - Glide touchpad with scroll bar - Optional resistive touchpad	<b>Rugged Feature</b>	MIL-STD-810G certified and IP65 compliance Optional MIL-STD-461F certified Full magnesium alloy case Shock-protected removable HDD Vibration & drop resistant
<b>Expansion Slot</b>	PCMCIA Type II x 2 or Type III x 1	<b>Environmental Specification</b>	Temperature <sup>iv</sup> : - Operating: 0°C to 60°C / 32°F to 140°F - Optional low temperature: -20°C / -4°F - Storage: -40°C to 71°C / -40°F to 160°F Humidity: - 95% RH, non-condensing
<b>Multimedia Bay</b>	Optional DVD super multi drive Optional 2nd battery Optional 2nd storage: HDD 160 GB		
<b>X Bay<sup>i</sup></b>	Optional RS232/422 Optional Ultra320 SCSI Optional 2nd PCMCIA (Type II x 2 or Type III x 1) Optional smart card reader Optional Bluetooth (v2.0 + EDR class 1) Optional GPS (with mouse type antenna) Optional GSM / GPRS / EDGE / UMTS / HSDPA Optional Bluetooth + GPS Optional Bluetooth + GSM / GPRS / EDGE / UMTS / HSDPA Optional GPS + GSM / GPRS / EDGE / UMTS / HSDPA Optional Bluetooth + GPS + GSM / GPRS / EDGE / UMTS / HSDPA		

- i Each A790 can only install one X-Bay optional item.
- 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.



### Getac EUROPE

**Germany Office - Getac Technology GmbH**  
Kanzlerstrasse 4  
40472 Düsseldorf, Germany  
Tel: +49 211 984 8190

### Italy Office

Via Belvedere,  
57 20043 Arcore (MB), Italy  
Tel: +39 039 617720

### UK Office - Getac (UK) Ltd.

Mitac house, Nedge Hill, Telford,  
Shropshire, TF3 3AH, U.K.  
Tel: +44 1952 207 231

### Getac NORTH AMERICA

**USA Office - Getac Inc.**  
43 Tesla, Irvine, CA 92618, USA  
Toll Free: +1 886 GO GETAC  
(1 886 464 3822)

[www.getac.com](http://www.getac.com)

### Getac ASIA

**China Office - Getac Mobile Ltd.**  
- **Kunshan Office:**  
No.300 (Building, Processing Zone),  
No.1 Avenue, Export Processing  
Zone, Changjiang South Road,  
Kunshan City, Jiangsu, China  
Tel: +86 512 57366000 # 1408  
Fax: +86 512 57382090

- **Shanghai Office:**  
2/F, No.213, Jiangchang Third Road,  
Zhabei District, Shanghai, China  
Tel: +86 21 61431188 # 1032  
Fax: +86 21 61401023

- **Beijing Office:**  
Room 501, Haowei Building,  
No.25 Beitai Pingzhuang Rd.,  
Haidian District, Beijing, China  
Tel: +86 10 62381104  
+86 10 62381108 # 2040

### Japan Office - MitAC Japan Corporation

Yasuda 8th Building 6F,  
Kaigan 3-chome 3-8, Minato-ku,  
Tokyo, 108-0022, Japan  
Tel: +81 3 3769 8311 # 6411

### Taiwan Office - Getac Technology Corporation

5F, Building A, No. 209,  
Section 1, Nangang Rd.,  
Nangang Dist., Taipei City,  
11568, Taiwan, R.O.C.  
Tel: +886 2 2785 7888

### SALES CONTACT

**North America**  
ruggedsales@getac.com

**South America**  
sales-getac-SAmerica@getac.com

**EMEA**  
sales-getac-EMEA@getac.com  
- **Germany:**  
sales-getac-DACH@getac.com  
- **Italy:**  
sales-getac-Italy@getac.com  
- **UK:**  
sales-getac-UK@getac.com

**Asia Pacific**  
sales-getac-APAC@getac.com  
- **China:**  
sales-getac-China@getac.com  
- **Japan:**  
sales-getac-Japan@getac.com

### MARKETING CONTACT

**Global**  
Globalmarketing@getac.com

**North America**  
NorthAmericamarketing@getac.com

**South America**  
SouthAmericamarketing@getac.com

**EMEA**  
EMEAmarketing@getac.com

**Asia Pacific**  
APACmarketing@getac.com

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660