

# Getac

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

## The Ultimate Expandable Control Center for Your Customized Needs

*Excellent warrior in all battle fields*

Getac 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)

## 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

Border 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
- Video Capture x 1
- USB 2.0 x 2
- Speaker x 2
- Serial Port x 2
- Parallel Port x 1



### 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 64GB	<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.



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