

Getac

Getac recommends Windows® 7 Professional

The Ultimate Expandable Control Center for Your Customized Needs

Excellent warrior in all battle fields

Getac A790
Ultra Rugged Notebook



A790

Ultra Rugged
Notebook

 **RedLinX**[™]
Embedded Solutions

www.redlinx.co.za

Rugged Mobile Computing Solutions



Back Light 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.

IO Ports



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
- 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")



Battery Charger



Primary Battery Pack



Media Bay 2nd Battery Pack



X Bay 3rd Battery Pack



ISA Expansion Unit (x 2 slots)



PCI Expansion Unit (x 2 slots)



PCI-Express Expansion Unit (x 2 slots)



Carrying Bag



External USB FDD



Vehicle Adapter (90Watts, 12-32VDC)



Port Replicator



Stylus

Specifications

Operating System	Genuine Windows Vista® Business Genuine Windows® XP Professional Genuine Windows® 7 Professional	IO Interface	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 x 1 IrDA x 1
Mobile Computing Platform	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 chipset	Communication Interface	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
VGA Controller	Intel® Graphics Media Accelerator 950 Max. 128MB shared memory	Software	Adobe® Reader® CompuTrace® Compatible BIOS Nero 8
Display	14.1" TFT LCD XGA (1024 x 768) Optional QuadraClear™ sunlight readable display with touchscreen	Security Feature	TPM 1.2 Optional fingerprint scanner Optional smart card reader Kensington lock
Storage & Memory	1GB DDR2 expandable to 4GB SATA HDD 160GB/320GB	Power	AC Adapter (90W, 100-240V, 50 / 60Hz) Battery - Primary: Li-Ion smart battery (7800mAh) ** - Optional Bay 1: Li-Ion smart battery (5200mAh) - Optional Bay 2: Li-Ion smart battery (5200mAh)
Keyboard	Rubber keyboard Optional LED backlit rubber keyboard	Dimension (W x D x H) & Weight	332.2 x 279 x 85.4 mm (13.08" x 10.99" x 3.37"), 5.9 kg (13 lbs)
Pointing Device	Touchscreen - Optional pressure sensitive touchscreen Touchpad - Glide touchpad with scroll bar - Optional resistive (Glove) touchpad	Rugged Feature	Ultra rugged MIL-STD-810G certified and IP65 compliance Optional MIL-STD-461F certified Full magnesium alloy case Shock-protected removable HDD Vibration & drop resistant
Expansion Slot	PCMCIA Type II x 2 PCMCIA Type III x 1	Environmental Specification	Temperature: - Operating: 0°C to 55°C / 32°F to 131°F - Optional low temperature: -20°C / -4°F - Storage: -40°C to 71°C / -40°F to 160°F Humidity: - 95% RH, non-condensing
Multimedia Bay	Optional DVD super multi drive Optional 2nd battery		
X Bay *	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		

* Each A790 can only install one X Bay optional item.

** 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.



Business Rugged Semi Rugged Rugged **Fully Rugged** Ultra Rugged

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