

General Dynamics Itronix GD8200 Fully-Rugged Notebook

The GD Itronix GD8200 is a fully rugged notebook that is small and lightweight. It is designed for the toughest users and tested to military extremes, including temperature extremes, humidity, vibration, dust, drops, and spills. It is ideal for military personnel, first responders, and field service technicians in industries such as utilities, telecommunications, and cable. The GD8200 provides the dependability, power, connectivity, and security necessary to provide the highest performance and endurance in extreme environments.

The GD8200 is powered by an Intel® Core i7 mobile processor to maximize computational power, while optimizing weight and power consumption. It features a 500GB shock-mounted hard drive with a heater, 2GB DDRIII RAM, and a 13.3-inch DynaVue® II sunlight-readable display with a multi-touch touchscreen that provides advanced functionality such as pinch to zoom.

The GD8200 offers a full set of embedded wireless technologies to give mobile users advanced wireless connectivity and increased productivity. Options include Wi-Fi 802.11 a/b/g/n, high power wireless LAN, Bluetooth®, dedicated GPS, and 4G and 3G mobile broadband technologies. Security features on the GD8000 include a Trusted Platform Module (TPM) 1.2 security chip, removable hard drive, and security lock slot to protect your valuable information. Optional security features include an integrated fingerprint reader, SmartCard reader, Intel vPro technology, Intel Anit-Theft Technology, and Computrace theft recovery and data protection.

The GD8200 continues to maintain a platform footprint that is consistent with its fully-rugged notebook predecessors, allowing customers to upgrade their rugged notebooks without replacing vehicle docks, and significantly lowering the total cost of ownership. The GD8200 rugged notebook's unique rugged design strikes the perfect balance of durability, portability, and computing power mobile users need to complete their mission and get the job done.



Product Specifications

Operating System:

- Microsoft® Windows® 7 Professional (32-bit/64-bit)

Processor:

- 2nd generation Intel® Core™ i7-2655LE vPro™ processor
- 2.2GHz with Turbo Boost Technology 2.0 up to 2.9GHz
- Intel Smart Cache 4MB
- Intel Hyper-Threading Technology

Storage & Memory:

- 500GB/750GB hard disk drive (HDD) with heater
- 500GB hybrid HDD with heater
- 120GB/256GB solid state drive
- Shock-mounted flex-connect
- 2GB SDRAM (DDR3/1333MHz) expandable to 8GB

Display:

- 13.3" 1024 x 768 XGA LED-backlit touchscreen LCD with new sunlight-viewable DynaVue® II technology
- Exceeds MIL-STD-3009 outdoor contrast ratio

Media Bay:

- Swappable media bay accepts Multi DVDRW/CD-RW or secondary battery

Wireline Communications:

- 56 Kbps V. 92 fax/modem
- 10/100/1000M Ethernet LAN

Wireless LAN Options:

- Intel 6205 802.11 a/b/g/n
- 802.11 b/g/n "high-power"
- 2.4/5.0 GHz dual-band diversity antennas

Wireless WAN Options:

- 4G LTE
- CDMA EV-DO Rev A/GSM/GPRS/EDGE/WCDMA/HSPA+
- Common Radio Module Architecture (CRMA) Express with fully integrated, field replaceable WWAN radio modules
- Integrated 700 - 2600 ultra-wideband antennas

Bluetooth:

- v2.1 + EDR class 1
- Slide on/off switch

GPS Options:

- Fully integrated GPS with high performance quadrifilar helix antenna
- SiRFstarIII high sensitivity GPS software for increased acquisition and tracking

Interfaces:

- USB 3.0 (x1)
- USB 2.0 (x2)
- VGA (15-pin)
- Serial (9-pin)
- 10/100/1000 Ethernet (RJ-45)
- 56K modem (RJ-11)
- Headphones/speaker (mini-jack)
- Microphone (mini-jack)
- DC-in
- Docking port
- Dual external antenna connector (WWAN & WLAN or GPS)

Keyboard & Input:

- Full-sized, 87-key sealed keyboard
- Black keyboard, NiteVue™ glow-in-the-dark or backlit keyboard
- Capacitive touchpad
- Touchscreen LCD
- Stylus with integrated holder

Audio:

- Intel® high-definition audio compliant
- Integrated speakers and microphone
- Keyboard volume and mute controls

Video Graphics:

- Intel QM67 video controller
- Intel HD Graphics 3000

Power Supply:

- EnergyStar and EPEAT certified
- Main Li-Ion battery pack (7200mAh)
- Optional media bay 2nd Li-Ion battery pack (3800mAh)
- Approximately 8 hours of operation with main battery, 12 hours with secondary battery
- AC adapter (90W, 100-240V, 50/60Hz)
- Power Saver for user selectable power management optimization
- Hot swappable battery option

Dimensions & Weight:

- L x W x H: 11.5" x 12.0" x 2.36" (292 mm x 305 mm x 60 mm)
- 7.8 lbs (3.5 kg)

Durability Features:

- MIL-STD-810G certified (48" drop, shock, vibration, blowing rain, sand and dust, water pressure, drip exposure, altitude, freeze/thaw, high/low temperature, temperature shock, humidity, explosive atmosphere, salt fog, contamination by fluids, solar radiation, fungus, acoustic noise, acidic atmosphere, gunfire shock)
- MIL-STD-461F certified
- IP65 certified (IEC 60529)
- Optional UL 1604 Class I, Division 2, Groups A, B, C, D
- ASTM D4169-99 (Truck Transport)
- SAE J1455 vehicle crash tested with certified vehicle dock
- Full magnesium alloy case with integrated handle
- Sealed ports with locking port covers
- Shock-mounted flex-connect hard drive with quick release
- Hard disk drive (HDD) heater
- SAE J1455 vehicle crash tested (when used with an Itronix certified vehicle dock)

Security:

- Password security: Pre-boot, Supervisor, User
- Trusted Platform Module (TPM) security chip v1.2
- Kensington cable lock slot
- Stealth mode: To boot-up without sound/light emissions
- Optional Intel vPro technology
- Optional Intel Anti-Theft Technology
- Optional fingerprint reader
- Optional Smart Card reader (FIPS 201)
- Optional Computrace® theft recovery and data protection agent in BIOS
- Optional custom branding label

Warranty:

- 3-year standard warranty
- Additional warranty options for the GD8200 and vehicle docks are available

Consider purchasing these additional items to make your new portable computer more efficient, convenient, and a complete mobile solution. Pricing and information specific to your make and model can be found on our website, or you can discuss your options with your sales professional for expert guidance and suggestions. Not all of these additional items are available for all types or brands of portable computer.



Additional RAM Memory: Adding additional RAM memory is often the easiest and least expensive way to upgrade your computer for a significant boost in performance. The computer's RAM memory is its workspace, or where all of the instructions it needs to act on are stored temporarily.



Additional Storage: A computer's hard drive stores your operating system, programs and files. Hard drive space is measured in gigabytes (GB) and the higher the GB level the greater the collective file size of everything you can save on the computer. Some computer models offer spare, removable hard drives, while others offer an external hard drive.



External Drives: Some computer models come with a DVD/CD Multi drive, meaning you can read and write CD's and DVD's. Other computer models require an external USB drive. Also, some manufacturers offer an external floppy disk drive.



Power Options: Having additional power options available will keep you from running out of power at just the wrong time, there are several options available:

Additional AC Adapter – A convenient extra AC Adapter with Power Cord allows you to keep one at home and one at the office, no need to carry it back and forth.



Automobile Adapter – The automobile power adapter, also known as a cigarette lighter adapter, allows you to power your portable computer while in your vehicle, as well as charge your battery. Some of these adapters can also be used on an airplane.

External Battery Charger – The external battery charger allows you to keep your battery charged, it does not come with an AC Adapter – you can use the one that comes with the computer or purchase an additional one.



Spare Batteries - Purchase additional or replacement batteries to ensure you will always have one available. Some computers also have a place for a secondary battery, such as in the media bay. Check with your sales professional if you would like more information on these options for your model.



Mobile Printers and Scanners - A mobile printer or scanner increases your efficiency, no more running back to the office to print documents or receipts or to scan information to your computer. Our lineup of mobile printers are ready to go anywhere, they are small, lightweight, and available in different output sizes. Whether you need a full size page or just a receipt, we have the mobile printer or scanner for you.

Security Options – Keeping your investment secure is a priority, and there are several options available. Depending on the computer & model these include fingerprint scanner, smartcard reader, cable lock slot etc.



ComputraceComplete – (LoJack for your portable computer) – Computrace works behind the scenes to silently and securely contact the Absolute Monitoring Center. Using any type of internet connection, the computer makes contact every 24 hours to report its location. If a computer is reported missing or stolen, the machine is flagged to call in every 15 minutes and then the Absolute Recovery Team goes to work. The team provides law enforcement with tracking information to pinpoint the physical location of the computer and documentation needed to obtain subpoenas and procure search warrants. However, not every computer manufacturer offers computrace.



Targus DEFCON Notebook Computer Locks – The Targus DEFCON Notebook Computer Lock comes in either a cable or key lock. The lock is a 6 ft. steel cable that is cut resistant galvanized steel and can be wrapped around any secure object and attached to your cable lock slot that is built into most notebook computers. Any attempt to remove the lock will visibly damage the computer, preventing resale therefore discouraging theft. Don't let your computer be one of the nearly 1,000 portable computers stolen every day.



Other Accessories – There are many accessory items available to make using your computer more convenient and efficient, as well as user friendly. Some of these items include: carry cases designed for your model, port replicators making it easy

to create a “desktop” environment or adding additional ports to your computer, extra stylus pens so a misplaced or forgotten pen won’t slow you down, and protector films to ensure your display screen stays clear and clean.



Vehicle Docks and Mounts - Vehicle mounts hold your computer safely in place and allow for safe and comfortable use while in a vehicle. With custom fit bases, height adjustable poles, and docking station and you can run antennas, use the vehicle battery or add other peripherals for a complete mobile solution.

Warranty Extensions & Upgrades – Some warranty options and upgrades are only available at time of product purchase, but there are some manufacturers that will allow upgrades or extensions to be purchased at a later time.

Product Shots



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