

# GD 8200



Small and lightweight in design, the high performance GD8200 fully-rugged notebook provides the reliability, power, connectivity and security required to withstand extreme environments.

The GD8200 is certified to meet MIL-STD-810G, MIL-STD-461F and IP65 specifications. It is equipped with a 13.3" LCD featuring the new sunlight-viewable DynaVue® II touchscreen display technology. With a 2<sup>nd</sup> generation Intel® Core™ i7 processor, the GD8200 delivers powerful performance and keeps you connected with the latest 4G wireless connectivity, 802.11a/b/g/n, Bluetooth® and state-of-the-art GPS tracking technology.

## GD8200

### Rugged

#### When It Just Has to Work

- MIL-STD-810G certified
- Withstands the punishing 48-inch drop military specification
- IP65 certified against dust and water intrusion
- MIL-STD-461F compliant for electromagnetic emission and susceptibility
- UL 1604 Class 1, Division 2 compliant for safe use in potentially explosive environments
- Tested to a stringent helicopter vibration profile and ASTM D4169-99
- Magnesium alloy casing and shock-mounted hard drives
- Crash-tested for in-vehicle safety

### Computing Performance

#### Making Your Job Easier

- New 2<sup>nd</sup> generation 2.2GHz Intel® Core™ i7 processor
- Up to 2.9GHz with Intel® Turbo Boost 2.0 technology
- Large 4MB Intel® Smart Cache
- Multitask processing
- High performance, high definition graphics
- Up to 8GB of DDR3 memory for 64-bit applications
- New sunlight-viewable DynaVue® II touchscreen display technology

### *The Ultimate Fully-Rugged Notebook*

### Wireless Communications

#### Stay Connected – Anytime, Anywhere

- Fast 4G LTE upload and download speeds
- Best-in-class GPS performance
- 200mW high power, wireless LAN for expanded coverage and fast, secure connections to 802.11 networks
- 100m line-of-sight Bluetooth® connectivity
- Field upgradable WWAN technologies via CRMA Express
- Switchable WWAN and WLAN for in-vehicle applications
- Seamless roaming for uninterrupted coverage with persistent software

### Ergonomic & Secure

#### Easy-to-Use and Secure by Design

- Lightweight, compact design with a full-size screen for maximum mobility
- Full backlit keyboard for better illumination
- Side-mounted I/O for easier visibility when connecting peripherals
- Glove-friendly, touchscreen display
- Multi-touchpad with gestures for easier screen control
- Maximum security via a FIPS 201 compliant Smart Card reader, fingerprint reader, TPM v1.2 security chip, Kensington cable lock slot and removable hard disk drive

**GENERAL DYNAMICS**  
Itronix

## GD8200 Product Specifications



### 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 compliant
- 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

### Operating System:

- Windows® 7 Professional (32-bit/64-bit)
- Windows® XP and Windows® Vista downgrade options (via custom image)

### CPU:

- 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

### Video Controller/Graphics:

- Intel® QM67 video controller
- Intel® HD Graphics 3000

### Memory:

- 2GB SDRAM (DDR3-1333MHz) expandable to 8GB<sup>1</sup>

### Storage:

- 500GB/750GB hard disk drive (HDD) with heater
- 500GB hybrid HDD with heater
- 120GB/256GB solid state drive
- Shock-mounted flex-connect, removable

### 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

### Wireline Communications:

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

### Wireless Communications:

- WLAN
  - Intel® 6205 802.11 a/b/g/n
  - 802.11 b/g/n "high-power"
  - 2.4/5.0 GHz dual-band diversity antennas
- WWAN<sup>2</sup>
  - 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
- GPS
  - Fully integrated GPS with high performance quadrifilar helix antenna
  - SiRFstarIII high sensitivity GPS software for increased acquisition and tracking
- Bluetooth®
  - v2.1 + EDR class 1
- Slide on/off switch

### Audio:

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

### Keyboard & Input:

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

### Expansion Slots:

- PC card Type II
- Optional Smart Card reader (FIPS 201) or ExpressCard/54

### Media Bay:

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

### I/O Interface:

- 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)

### 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)<sup>3</sup>

### 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<sup>4</sup>
- AC adapter (90W, 100-240V, 50/60Hz)
- Power Saver for user selectable power management optimization
- Hot swappable battery option

### 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<sup>5</sup>
- Optional custom branding label

### Accessories:

- Vehicle docking station (no pass-through)
- Vehicle docking station (dual pass-through)
- Office docking station
- AC adapter and power cord (90W)
- Vehicle adapter, 12V-24V (90W)
- Battery packs
- External battery chargers
- Multi DVD-RW/CD-RW
- Memory cards
- Protective keyboard overlay
- Protective display overlay
- Shoulder strap and cases
- Stylus

### Warranty:

- 3 year warranty

<sup>1</sup> Notebooks configured with a 32-bit operating system can address about 3GB of system memory. Only notebooks configured with a 64-bit operating system can address 8GB or more of system memory.  
<sup>2</sup> For WWAN country specific support, please contact your local sales representative.  
<sup>3</sup> Weight varies by configuration.  
<sup>4</sup> Battery operation will vary by use and settings.  
<sup>5</sup> Requires software and activation to enable theft protection.

**GENERAL DYNAMICS**  
Itronix

**North America Head Office:** 1000 Sawgrass Corporate Parkway, Suite 300 • Sunrise, FL 33323 • Tel: +1-800-441-1309, +1-954-846-3400 • Fax: +1-954-846-3392 • Email: sales@gd-itronix.com • www.gd-itronix.com

**EMEA Head Office:** Earlsplace Business Park, Fletchamstead Highway, Coventry, CV4 9UR UK • Tel: +44(0) 24 7671 4800 • Fax: +44(0) 24 7671 5677 • Email: sales@gd-itronix.eu • www.gd-itronix.eu

**Germany:** Tel: +49 211 5 23 91 459 • Fax: +49 211 5 23 91 200 • Email: sales@gd-itronix.eu • www.gd-itronix.eu

**Asia:** 7F, No. 2, Lane 258, Rueiguang Road, Taipei 114, Taiwan • Tel: +886 2 8797 7080 • Fax: +886 2 8797 7081 • Email: sales@gd-itronix.com.tw