

# GD8000



The GD8000 is designed for the rugged user and tested to military extremes. Whether used in a desert helicopter mission, high security prison, or a patrol car in northern Canada, the GD8000 will provide years of rugged use at a low cost of ownership.

## GD8000

### Rugged

It Goes Where You Go

- Meets and exceeds MIL-STD 810G
- Withstands drop from 48" (non-operating)
- Operating temperature -22°F (-30°C) to +145°F (63°C)
- Tested to stringent helicopter vibration profile
- Sealed against dust and water intrusion (IP65 and MIL-STD 810G 506.5, Procedure II)
- Magnesium alloy casing and high impact resin
- Crash-tested for in-vehicle safety (with approved vehicle dock)
- Hazardous Location Class 1, Division 2 (UL 1604)

### Ergonomic

Lightweight Full-Size Rugged Notebook (as low as 7.9 lbs)

- Desktop quality, full-sized, sealed keyboard
- Easy to use display latch, even with gloved hands
- Optional NiteVue™ keyboard for enhanced contrast
- Side I/O for ease of use
- Intuitive design for easy operation
- Integrated soft comfort front handle

## High Performance, Fully-Rugged Notebook

### Wireless

WWAN<sup>3</sup>, WLAN, Bluetooth, and GPS Available All In One System

- Optimized antenna placement at top edge of display
- Gobi 2000™ ready
- Accurate GPS to within 2 meters
- Switchable WWAN and WLAN for in-vehicle applications
- Seamless roaming for uninterrupted coverage with persistent software
- CRMA™ Express for field upgrade ability to new WWAN technologies
- Optional High-Power WLAN
- 100 meter line-of-sight Bluetooth 2.0

### Computing Performance

Run Multi-Threaded Applications, Like Moving GPS Maps

- Intel® Core2 Duo; FSB 1066 MHz, 1.86 GHz
- Intel® Graphics Media Accelerator 4500MHD with 1024MB shared memory
- Up to 8GB of ultra fast DDR3 memory
- DynaVue® touchscreen display for outdoor viewability

**GENERAL DYNAMICS**  
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## GD8000 Product Specifications



### Durability Features:

- Meets and Exceeds MIL-STD 810G specifications
- Dust/Water Tight (IP65/IEC 60529/810G 506.5, Procedure II)
- Die-Cast Magnesium Chassis
- SAE J1455 Vehicle Crash Tested (with Certified Vehicle Dock)

### Operating System:

- Microsoft® Windows® 7, Professional 32-bit/64-bit
- Microsoft® Windows® Vista Business, SP1 32-bit
- Microsoft® Windows® XP Downgrade (custom only)†

### CPU:

- Intel® Core2 Duo (SL9400)
- 1.86 GHz Processor
- FSB 1066 MHz, 6MB L2 Cache
- SMBIOS Enabled

### Memory:

- 1GB-8GB DDR3 SDRAM<sup>1</sup>

### Video Graphics:

- Intel® GMA 4500MHD
- 1024 MB Shared DVMT 5.0 Video Memory

### Eco-Friendly Display:

- Exceeds MIL-STD-3009 contrast ratio
- 13.3" LED backlit XGA outdoor viewable DynaVue® display

### Storage:

- 160GB or 320GB removable HDD with heater
- 2.5 in. (6.35cm) ruggedized, removable 5400 or 7200 RPM SATA HDD<sup>2</sup>
- 128GB or 256GB industrial grade SSD

### Integrated Wireline Communications:

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

### Integrated Wireless Communications:

- Up to 3 RF modems and a GPS receiver can be integrated at one time
- Engineered for minimum desense
- MobilityXE™ software for secure wireless access and seamless roaming between your wireless or wired WAN and LAN coverage areas

### Wireless LAN (Options):

- Intel® Wi-Fi Link 5100 802.11 a/b/g/n network connections
- 2.4, 5.0 GHz dualband diversity antennas

### Wireless WAN<sup>3</sup> (Options):

- Choice of EV-DO/1xRTT/CDMA or HSDPA/UMTS/EDGE/GSM
- Common Radio Module Architecture (CRMA) Express with fully integrated, field replaceable WWAN radio modules
- Integrated 800 - 2500 Ultra-Wideband antennas

### Wireless PAN (Options):

- Bluetooth V 2+EDR
- Class 1 (100m (328ft) line-of-sight)
- Integrated antenna

### GPS (Options):

- Fully integrated GPS
- Di-electrically loaded high performance quadrifilar helix antenna
- SiRFXTac high sensitivity GPS software for increased acquisition and tracking

### Audio:

- Internal microphone and (2) speakers PCI HD Audio with AC97 compliance

### Keyboard & Input:

- Full-sized, 87-key sealed keyboard
- Choice of black, rubberized, NiteVue™ glow-in-the-dark or backlit keyboards
- Localized versions available
- Capacitive Touchpad

### Expansion Slots:

- Type II PC Card Slot (standard)
- Optional SmartCard reader or Express54™ card reader

### Media Bay:

- Swappable media bay accepts: MULTI DVD-RW/CD-RW, or secondary battery

### I/O Interface:

- RJ-11 (wireline modem)
- RJ-45 (ethernet LAN)
- 3x USB 2.0 serial port (9-pin)
- External video (15-pin)
- Audio headphone (mini jack)
- Microphone (mini jack)

### Dimensions & Weight:

- 2.36" (H) x 12.0" (W) x 11.5" (D)
- (60mm (H) x 305mm (W) x 292mm (D))
- 7.8 lbs (3.5 kg) Basic configuration

### Power Supply:

- 7200 mAH (79.9Wh) Lithium Ion main battery
- Optional 3800 mAH (41.1Wh) Lithium Ion media bay battery
- Battery life of 8 hours with main battery, 12 hours with secondary battery
- Power Saver for user selectable power management optimization
- Hot swappable battery option

### Enhanced Security & Protection:

- Password security: Pre-boot, Supervisor, User
- Trusted Platform Module security chip (TPM v1.2)
- Fingerprint reader (optional)
- Smart Card Reader (optional)
- Kensington Cable lock slot
- Stealth mode: To boot-up without sound/light emissions
- Computrace® theft recovery and data protection agent in BIOS (optional)<sup>4</sup>
- Custom branding/label option

### Accessories:

- Vehicle Cradle with or without RF Connectors
- Office Dock
- AC Adapter & Cord (90W)
- Vehicle Adapter - 12V - 24V (90W)
- External battery chargers
- Protective keyboard and display overlays
- Choice shoulder strap and cases
- Additional stylus available
- Cargo pouch

### Warranty:

- 3 year warranty

<sup>1</sup>Total available memory will be less than 8GB. To maximize 8GB memory, a 64-bit enabled processor and operating system are required.

<sup>2</sup>Actual formatted capacity varies based on preloaded devices and operating system.

<sup>3</sup>WWAN currently only supported in North America. For country specific support, please contact your local sales representative.

<sup>4</sup>Requires software and activation to enable theft protection.

## GENERAL DYNAMICS

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