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.

Camo Cover option shown

GD8000

High Performance, Fully-Rugged Notebook

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 (IP64 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 7.8 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

Wireless

WWAN[3], WLAN, PAN, 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 persistant 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® Graphis Media Accelerator 4500MHD with 1024MB shared memory
- Up to 8GB of ultra fast DDRIII Memory
- DynaVue® patent-pending touchscreen display for outdoor viewability

GENERAL DYNAMICS
Itronix

GD8000 Product Specifications

Durability Features:
- Meets and Exceeds MIL-STD 810G
- Dust/Water Tight (IP64/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
- Microsoft® Windows® XP Professional, SP3
- Microsoft® Windows® Vista Business, SP1

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

Memory:
- 1GB-8GB DDRIII DRAM[1]

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

Eco-Friendly Display:
- Exceeds DOD-STD-3009 contrast ratio

- 13.3" LED backlit XGA outdoor viewable DynaVue® patent-pending display
- Display heater (standard)

Storage:
- 160 GB shock mounted with heater
  2.5 in. (6.35cm) ruggedized, removable 5400 RPM SATA HDD[2]
- 64 GB/128GB solid state drive (optional)

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[3] (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
- SiRFXTrac 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 keyboard, NiteVue™ glow-in-the-dark or backlit keyboard
- 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), and 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 (35 kg) Basic configuration

Power Supply:
- 7200 mAH (79.9Wh) Lithium Ion main battery
- Optional 3800 mAH (41.1Wh) Lithium Ion media bay battery pack
- 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)[4]
- Custom branding/label option

Accessories:
- Vehicle Cradle with or w/o 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

Warranty:
- 3 year warranty

[1]Total available memory will be less than 8GB. To maximize 8GB memory, a 64-bit enabled processor and operating system are required.
[2]Actual formatted capacity varies based on preloaded devices and operating system.
[3]WWAN currently only supported in North America. For country specific support, please contact your local sales representative.
[4]Requires software and activation to enable theft protection.