

GENERAL DYNAMICS Itronix GD8200 Fully-Rugged Notebook

The GD8200 is designed for the rugged user and tested to military extremes. Whether the GD8200 is used in a desert helicopter mission or in a patrol car in northern Canada, one thing remains the same; the GD8200 will provide years of rugged use at a low cost of ownership



Streaming sunlight may wash out other displays but you'll still see the GD8200 screen with its award winning 13.3" DynaVue® II touchscreen display. So if you're outside, or even near a window, in low light or bright, this screen shines.

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 2nd 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.

Computers shouldn't be uncomfortable. The GD8200 is the lightest, most durable fully-rugged notebook and even includes a full backlit keyboard so you can work efficiently and safely at night.

The GD8200 has security features designed to protect users, information and networks. It includes TPM 1.2 Network Security Standard, integrated fingerprint reader, integrated CAC (Smart Card) reader, a removable hard drive and security lock slot.

Key Features

- New 2nd 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
- MIL-STD-810G certified
- Fully IP65 certified against dust and water intrusion
- Fully Sealed I/O Ports
- MIL-STD-461F compliant for electromagnetic emission and susceptibility
- UL 1604 Class 1, Division 2 compliant for safe use in potentially explosive environments

Information in this document is subject to change without notice.



Rugged Systems is one of Europe's leading suppliers of rugged, mobile computer, display and communications solutions and services. Specialising in applications such as test & measurement, command and control, data acquisition, secure data & computing, TEMPEST and ultra-reliable message transfer over noisy tactical communication channels. The company strives to be innovative and provide cost effective solutions, through many years of knowledge and experience

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GD8200

Specifications



FUNCTIONAL

Processor	Intel® Core™ i7-2655LE 2.2 GHz vPro™ processor
Memory	2GB SDRAM (DDR3-1333MHz) standard expandable to 8GB
Cache	Intel® Smart Cache 4MB
Storage	500GB/750GB hard disk drive (HDD) with heater, Shock-mounted flex-connect, removable. 500GB hybrid HDD with heater (Optional) 120GB/256GB solid state drive (Optional)
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
Keyboard	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
I/O Ports	Sealed I/O ports 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)
Audio System	Intel® high-definition audio compliant, Integrated speakers and microphone, Keyboard volume and mute controls
Integrated Communications Options	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: 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.
Operating System	Windows® 7 Professional (32-bit/64-bit) Windows® XP and Windows® Vista downgrade options (via custom image)
ENVIRONMENTAL (MIL-STD-810G)	
Temperature	Operating temperature -22°F (-30°C) to +145° (+63°C)
Rain/Dust	Water/Dust tight (IP65/IEC 60529)
Vibration	Meets and exceeds MIL-STD 810G Tested to stringent helicopter vibration profile
Drop	Withstands 26 drops from 42" (one unit, operating, standard HDD) Withstands 26 drops from 48" (non-operating)
PHYSICAL	
Dimensions	Length: 11.5" (292 mm) Width: 12.0" (305 mm) Depth: 2.36" (60 mm)
Weight	7.8 lbs (3.5 kg) Basic configuration
Chassis	Die-cast magnesium chassis
ELECTRICAL	
Power	7200 mAH (79.9W) Lithium Ion main battery Optional 3800 mAH (41.1W) 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 ENERGY STAR® certified
OPTIONS	
DC Input	Vehicle Adapter - 12V - 24V (90W)
Vehicle Mount	Vehicle Cradle with or w/o RF Connectors Office Dock
Other Options	Office Dock, AC Adapter & Cord (90W), External battery chargers, Protective keyboard and display overlays Choice shoulder strap and cases, Additional stylus available, Crash-tested for in-vehicle safety (with Approved Vehicle Dock)



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