GD300

The General Dynamics Itronix GD300 combines commercial global positioning and communications technology with rugged computing. The fully rugged, arm- or chest-worn computer weighs less than 8 ounces and operates like an ultra-sensitive commercial GPS unit or, with the click of a cable, interfaces with tactical and commercial radios for secure access to the network.

With the Android™-based operating system, the GD300 easily accommodates current and emerging applications or 'apps' for warfighters, first responders or commercial field service users.

- Designed to support a range of missions and applications
- Lightweight, wearable computer providing real-time situational awareness
- Ultrasensitive GPS for signal acquisition where you need it most
- Fully rugged for any environment
- Compatible with tactical and land mobile radios via a simple cable connection

GD300

Rugged Wearable Computer for Military, Federal/Civil and Commercial Field Service Personnel

Wearable, Mobile Computing Platform
- Utilizes power efficient ARM® processing architecture
- Lightweight, fully rugged design

Ultrasensitive GPS
- Fully integrated GPS design
- High gain antenna architecture to ensure GPS signal when you need it most

Flexible Software
- Utilizes Android™ open operating system
- Custom software packages available

Easy-to-Use
- Intuitive design for easy operation
- Outdoor-viewable, glove-friendly touchscreen display

Expandable
- Radio Interface Kit (RIK) provides flexible connectivity to military or commercial radios
- USB 2.0 and microSD card slot
- Custom docking solutions available

Fully Rugged Design
- MIL-STD 810G tested:
  - Impact
  - Dust ingress
  - Rain/water ingress
  - Vibration and shock
  - Extreme temperature exposure
  - Humidity

GENERAL DYNAMICS
Itronix

The General Dynamics Itronix rugged, wearable GD300 computer provides state-of-the-art ARM® Cortex™-A8 processing power to optimize battery life and performance in an ultra-thin, lightweight casing for real-time situational awareness. With dismounted usage in mind, it is designed to operate for more than 8 hours providing the user access to real-time information anytime, anywhere.

GD300 Product Specifications

Size
- 5.9" (L) x 2.6" (W) x 0.8" (H)

Weight
- 8oz.

Operating System
- Android™ operating system based on Linux kernel

Processor
- 600MHz ARM® Cortex™ A8 processor

Storage and Memory
- 256MB DDR memory
- 8GB on-board Flash + microSD card expansion

Full Color Display
- 3.5" 800 x 480 WVGA sunlight readable display
- Glove-friendly touch screen

GPS
- Fully integrated high sensitivity SIRF Star IV GPS
- High gain quadrafilar-helix antenna
- Auto load moving map with pan/zoom

Battery Life/Power Management
- More than 8 hours of battery run time
- 1550 mAH single cell Lithium Ion
- Hibernation and standby modes
- Environmentals
- MIL-STD 810G
- IP54

Expansion
- Mini-USB 2.0
- Flexible expansion docking connector

Wrist Mount Radio Interface Kit (RIK)
- Four programmable radio control buttons
- Radio interface cabling system

GENERAL DYNAMICS
Itronix