

# GD400



Today's commercial, public safety, field service, transportation and logistics professionals are continuously on the move in demanding environments, creating a growing demand for technology that supports reliable mobility, access to applications and connectivity.

The General Dynamics Itronix GD400 rugged handheld computer gives customers uncompromised performance and innovative features to work faster and more productively. No trade-off is required between size, features, functionality, ruggedness or price.

**GDAssure, the General Dynamics Itronix service program, offers full life cycle service offerings that ensure a first class pre-deployment, installation and post-deployment experience for our customers. All support services can be customized to meet specific requirements.**

## GD400

### Fully-Rugged

**Keeps your device working in any environment**

- IP54 Rating – Protection against water and dust intrusion protection
- Works in extreme temperatures

### Unparalleled Communications

**Stay connected anytime, anywhere**

- High bandwidth 802.11 a/b/g/n
- Bluetooth® v2.0 EDR Radio
- Fully integrated GPS for advanced awareness
- HSPA+ and 1xEVDO WWAN for high bandwidth data-intensive tasks and voice communication

### Computing Performance

**Helping you work faster**

- Low power ARM processor for battery efficiency
- Full Windows Embedded Handheld OS

## *Rugged, Powerful Handheld Computer*

### Ergonomic Design

**Making it easier to do your job**

- Lightweight, rugged, pocket-sized
- Outdoor-viewable touchscreen (sunlight and low-light conditions)
- Ultra-white backlit keypad for low-light conditions
- Designed with wide-spaced keys to facilitate data entry

### Extensive Functionality

**Tools to make you more productive**

- Always know where you are with smart sensors – digital compass, gyroscope, accelerometer and proximity sensors
- Digital camera with flash for hi-resolution pictures or video capture
- Powerful 1D / 2D omni-directional imager

### Backed by GDAssure Services

**Trusted Service and Support**

- Standard 1 year limited warranty
- Expanded service options available

**GENERAL DYNAMICS**  
Itronix

## GD400 Product Specifications



### Durability Features

- Operating Temperature: 14°F to 122°F (-10°C to +50°C)
- Storage Temperature: -4°F to 140°F (-20°C to +65°C)
- Relative Humidity: 5% to 95% RH non-condensing
- Rain & Dust Protection: IP54, IEC529
- Drop: 5 ft (1.5m) – 26 drops on each edge, corner and face to concrete; multiple drops at 6 ft (1.8m)
- Tumble: 1000 times at .5 m (2000 drops), IEC 60068-2-32
- ESD: +/- 15k Vdc air discharge, +/-8k Vdc contacts

### Software

- Full Windows® Embedded Handheld 6.5.3 OS
- Windows® Office Mobile 2010
- Windows® Office Outlook Mobile
- Internet Explorer Mobile
- Windows® Media Player Mobile

### Processor

- 800MHz ARM® Cortex™ A8 processor

### Storage and Memory

- 256MB SDRAM
- 2GB on-board Flash
- Micro SD slot for expansion

### Full Color Display

- 3.7" 480 x 640 VGA sunlight readable display with integrated touchscreen
- Backlight for low-light conditions
- Touchscreen operation either by finger or passive stylus

### Keyboard

- High reliability keypad with ultra-white backlight
- Ergonomically enhanced for ambidextrous, one-handed operation

### Audio

- Built-in mono speaker, microphone and receiver
- Wireless Bluetooth® headset support
- Supports VoIP speech recognition and Push-to-Talk applications
- Front and rear speakers

### Power Supply

- More than 8 hours of run time battery life
- High Capacity 3600 mAh Lithium Ion rechargeable battery
- System backup during battery swap

### Size

- 6.2" (L) x 3.1" (W) x 1.2" (H)
- (158mm x 78mm x 31mm)

### Weight

- 0.76 lb (346 g)

### Wireless Communications

- On-board IEEE 802.11a/b/g/n (CCXV4 Certified) radio:
  - Security: 802.1X, WPA / WPA2-Enterprise
  - Authentication: FAST-MSCHAPv2; LEAP; PEAPv0-MSCHAPv2; PEAPv1-GTC; TLS
  - Encryption: 64/128 WEP, AESCCMP,TKIP
- Bluetooth® v2.0 + EDR radio
- UMTS HSPA+ radio
  - Five-Band UMTS: 800/850, AWS, 1900, 2100 MHz
  - Quad-Band GSM: 850, 900, 1800, 1900 MHz
- CDMA EVDO Rev A radio: Dual Band: 800/1900 MHz
- Integrated 5 band Antenna, supports both voice and data
- SiRFstarIV GPS with SiRF InstantFix A-GPS support (48 channel)
- Active jammer removal

### Enhanced Features

- Smart Sensors
- Digital Compass
- Accelerometer
- Gyroscope
- Light Sensor
- Proximity Sensor

### Integrated Camera

- 3.2 Mega Pixel Color
- Auto Focus
- Dual LED Flash
- Video capture capability

### Barcode Applications

- 2D Imager
- Scanning Performances:
  - Scan Rate: 2D mode: 56 images/s auto adaptive
  - Linear emulation mode: 200 scans/s auto adaptive
  - Scan angle: 38.9° (Horizontal), 25.4° (Vertical)
  - Optical resolution: 752 (H) x 480 (V) pixels, 256 gray levels
  - Print Contrast: down to 25%

### Expansion Module Options

- USB and DC input
- RS232 and DC input

### Accessories

- Office docking station
- Quad docking station
- Vehicle cradle (passive and active options)
- Four-slot battery charger
- CLA charger
- Hand Strap
- Stylus and Tether
- Carrying Case options

### Warranty:

- 1 year warranty standard
- 3 year and 5 year option available
- Full range of GDAssure Services

### Regulatory Approvals

- FCC Parts 15B, 15C, 15E, 22H, 24E, 27
- IC RSS-210, RSS-132, RSS-133
- EN 300 328, EN 301 489, EN 55022, EN55024, EN301 511, EN301 908, EN300 440, EN301 893
- Safety IEC/EN 60950-1
- Laser Safety IEC 60825-13 year warranty

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