

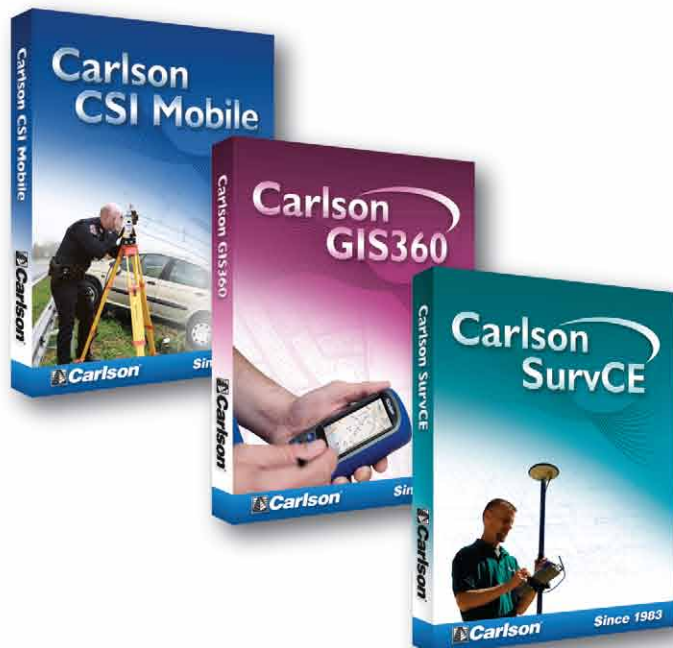
# Introducing the Carlson MINI2

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Designed to boost productivity and speed, with extra-bright screen, long-lasting battery, and improved GPS technology to perform better in natural surroundings

- Extra large 800x450 TFT display for easy viewing of survey data
- Fast 1.0 GHz processor
- Scratch-resistant, touch-screen display, highly readable in both low light and glaring sunshine
- 3.6" w x 7.25" h x 1.5" deep
- Weighs just 1.3 lbs
- Dustproof and waterproof rating of IP68
- Meets MIL-STD-810G standard
- Options include an integrated 3G modem, 5 mega-pixel camera, or GPS/GNSS module

The Carlson MINI2 comes with either **Carlson SurvCE**, the world's most popular data collection software, or **Carlson GIS360**, which incorporates both GIS and surveying workflows to collect data in the field; or for crash and crime reconstruction, **Carlson CSI Mobile**.



For more information, visit  
[www.carlsonsw.com](http://www.carlsonsw.com) or call 800-989-5028.

Since 1983

 **Carlson**  
...For the Total Project

# Carlson MINI2

## Specifications

### Processor

- 1.0GHz ARM Cortex A8 i.MX53 processor
- Microsoft® Windows Embedded Handheld 6.5.3
- Multiple languages (English, French, Spanish, German, Portuguese)

### Memory And Data Storage

- 512MB RAM
- 8GB flash storage
- User-accessible micro SD/SDHC slot

### Display

- Active viewing area: 4.3" (109 mm) WVGA LCD TFT (800x480)
- High visibility backlit LCD
- Portrait or landscape orientation

### Touch Screen

- Projected capacitive touch interface "optically bonded" to display for increased visibility
- Chemically-strengthened glass

### Keyboard

- Adjustable LED backlit keys
- Five-way directional navpad
- Numeric keypad (6 user reassignable)

### Physical

- Size, Standard models: 3.6" w x 7.25" l x 1.5" d (91 mm x 184 mm x 38 mm)
- Weight: 1.3 lbs (590 g)
- Durable hardened plastic in a shear-proof and shock-resistant design
- Strong chemical resistance
- Comfortable, wide hand strap
- Easy-to-grip, impact-absorbing bumpers

### Ports

- COM1, RS-232C 9-pin D connector with 5VDC power output
- USB host (Full A), USB client (Micro B)
- 12, 24VDC @ 1.5-3.5A, 10-36V unregulated
- 3.5 mm audio jack, supports speaker/microphone or stereo output (pin detect)
- I/O module OEM configurable/customizable

### Battery

- Intelligent Li-Ion battery 3.6VDC @ 10600mAh, 38.16Whr
- Operates for up to 10 hours on one charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

### Juniper Rugged™

- IP68 waterproof and dustproof
- Operating temperature: -22°F to 131°F (-30°C to 55°C)
- Storage temperature: -22°F to 158°F (-30°C to 70°C) Note: Bluetooth® wireless technology is rated to -4°F (-20°C)
- Shockproof: multiple drops from 4' - 5' (1.2-1.5 m) onto concrete
- MIL-STD-810G test procedures: Method 500.5 Low Pressure (Altitude); Method 501.5 High Temperature; Method 502.5 Low Temperature; Method 503.5 Temperature Shock; Method 506.5 Rain; Method 507.5 Humidity; Method 510.5 Sand and Dust; Method 512.5 Immersion; Method 514.6 Vibration; Method 516.6 Shock

### Camera (Geo Models):

- 5MP resolution with autofocus and LED Illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

### Wireless Connectivity Options

- Bluetooth® wireless technology, 2.1 +EDR, Class 1.5, range 100 feet (30 m)
- Wi-Fi 802.11b/g/n with extended range
- 3.75G modem – Pentaband Worldwide (Geo 3G model only)
- Frequencies: HSPA+/UMTS: 800/850/900/1800/1900/2100 MHz (Supports micro-SIM card only)
- Data communication interface, SMS

### GPS/GNSS (Geo Models):

- 2 to 5 meter typical accuracy with postprocessing capability for better accuracy
- Enhanced performance under heavy canopy
- GPS, GLONASS, GALILEO, COMPASS, SBAS LI
- Integrated real-time SBAS receiver (WAAS, EGNOS, etc.)
- 32 GNSS tracking channels

### Certifications And Standards

- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety
- RoHS Compliant

### Standard Accessories

- 10600mAh battery
- AC wall charger with international plug kit
- Micro USB client sync cable
- Quick Start Guide
- Ultra-wide hand strap
- Shipping box
- Screwdriver