

# MINI2

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

- 800x480 WVGA LCD TFT display
- 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, for accident and crime reconstruction, **Carlson CSI Mobile**.



*The Carlson MINI2 is built for the field. It is waterproof and dustproof (IP68) featuring long battery life, sunlight readable display, and operation under extreme temperatures.*

## PROCESSOR

- 1.0GHz ARM Cortex A8 i.MX53 processor

## OPERATING SYSTEM AND SOFTWARE

- Microsoft® Windows Embedded Handheld 6.5.3
- Microsoft Office Mobile 2010\* (Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile)
- 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 keypad
- Numeric keypad (6 user reassignable)
- OEM configurable/customizable

## 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 3.7VDC @ 10600mAh, 38.7Whr

- Operates for up to 20 hours on one charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

## PHYSICAL

- Size, Standard models: 3.6" w x 7.25" l x 1.5" d (91 x 184 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

## EXTREME ENVIRONMENTAL CONDITIONS

- IP68 waterproof and dustproof
- Operating temperature: -22F to 131F (-30C to 55C)
- Storage temperature: -22F to 158F (-30C to 70C)  
Note: Bluetooth® wireless technology is rated to -4F (-20C)
- 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

## 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

## CAMERA (GEO MODELS):

- 5MP resolution with autofocus and LED Illuminator + video capture

## 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 L1
- 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

