

Back Cover

Front Cover



Here's the all new **Carlson Surveyor 2**

The world's most reliable data collector just got better!



Powered with



FASTER PROCESSOR

More on-board storage space – now 8GB; and 1.0 GHz processor

LONG-RANGE BLUETOOTH

Up to 1500 feet paired with class I device

EXTENDED BATTERY LIFE

Up to 20 hours

LARGER, BRIGHTER DISPLAY SCREEN

Higher resolution, easier to read color display with scratch-resistant glass

EVEN MORE RUGGED

IP68 water & dustproof; shock resistant

EASIER TO USE

Still just 2 pounds and the QWERTY keyboard speeds data entry

MORE OPTIONS

- Integrated camera
- 3G modem
- GNSS receiver



Find Out More NOW!

Call or visit Carlson Software:

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Carlson
...For the Total Project

Surveyor 2 Specifications

PROCESSOR AND MEMORY

- 1.0 GHz ARM Cortex A8 i.MX53 processor
- 512 MB RAM

OPERATING SYSTEM AND SOFTWARE

- Microsoft® Windows Embedded Handheld 6.5.3
- Multiple OS languages (English, French, Spanish, German, Portuguese)
- Adobe Reader® LE

MEMORY AND DATA STORAGE

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

DISPLAY

- Active viewing area: 4.3" (109 mm)
- VGA LCD TFT (640 x 480)
- Landscape Display

- High-visibility backlit LCD

TOUCHSCREEN

- Projected capacitive touch interface
- Chemically-strengthened glass
- Scratch-resistant screen

KEYBOARD

- Full numeric and QWERTY keypad
- Adjustable backlit keys

PORTS

- COM1, RS-232C 9-pin D connector with 5VDC power output on pin 9 software-enabled
- USB host (Full A), USB client (Micro B)
- 12, 24VDC input, 10-36V unregulated
- 3.5 mm audio jack, supports speaker / microphone or stereo output (pin detect)
- IO docking ports for charging
- USB port connector protector

BATTERY

- Intelligent Li-Ion battery 3.7VDC @ 10600 mAh, 38.7 Whr
- Operates 20+ hours on a single charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

PHYSICAL

- Size, Standard models: 5.4" w x 10.2" l x 1.6" d (138 mm x 256 mm x 40 mm)
- Weight: 2 lbs (908 g), with battery
- Durable hardened plastic in a shear-proof and shock-resistant design
- Strong chemical resistance
- Comfortable, wide hand strap
- Easy-to-grip, impact-absorbing bumpers

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ENVIRONMENTAL

- IP68 waterproof and dustproof
- Operating temperature: -22°F to 140°F (-30°C to 60°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 5' (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, line-of-sight range up to 1500 feet (450 meters) when paired with Class 1 Bluetooth device
- Wi-Fi® 802.11 b/g/n with extended range
- 3.75G modem (3G Models) – Pentaband Worldwide Frequencies: HSPA+ / UMTS: 800 / 850 / 900 / 1800 / 1900 / 2100MHz

DATA COMMUNICATION INTERFACE

- Camera (GEO MODELS)
- 5 MP resolution with autofocus and LED illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

GPS/GNSS (GEO MODELS)

- High-sensitivity GPS / GLONASS / SBAS receiver
- User settings for enhanced performance under canopy
- Accuracy: SBAS 2 meters; autonomous 5 meters
- NMEA and BINR output
- 32 channel all-in-view tracking
- JNav GNSS positioning and navigation app

CERTIFICATIONS AND STANDARDS

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

STANDARD ACCESSORIES

- 10600 mAh battery
- AC wall charger with international plug kit
- Micro USB client sync cable
- Quick Start Guide
- Adjustable hand strap
- Screwdriver
- Stylus with tether
- 2-year warranty