

Carlson Surveyor2

JOB: NEWJOB

File	Equip	Survey	COGO	Road
1 Job	6 Data Transfer			
2 Job Settings	7 Import/Export			
3 Points	8 Delete Job			
4 Raw Data	9 Write Note			
5 Feature Code List	0 Exit			

Navigation pad with directional arrows and center button.

Number keypad: 7, 8, 9, 4, 5, 6, 1, 2, 3.

Function keys: ESC, ALT, 0, ., Q, W, E, R, T, Y, U, I, O, P, A, S, D, F, G, H, J, K, L, Z, X, C, V, B, N, M, DEL, CTRL, Power.

Carlson Surveyor2

STORE PTS

Fixed 1+16/17 10 ft

Pt: 2 Desc: HT: 6

N:1923347.7951 E:6334416.1250 Z:789.0722
HSDV:0.062 VSDV:0.079 PDOP:2.28

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Here's the
all new

Carlson Surveyor 2

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

Powered with

**Carlson
SurvCE**

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

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 I 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

- 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
- J5Nav 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

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