

RT4

Rugged Tablet



The Carlson RT4 is designed for surveying, stake out, construction layout and GIS mapping and is bundled with Carlson SurvPC – the Windows- based data collection program – with the option of running with the Esri OEM program for use in the field. Or use in the office with any Carlson office software. Along with 8GB of RAM, 128 GB storage options, collect and analyze your data quicker than ever before.

PERFORMANCE

- Powerful Windows 10 for office-to-field use
- Plenty of memory - 8 GB RAM & 128 GB flash storage



EXPANDABLE BATTERY



- All-day battery runs 12-15 hours for minimal downtime
- Operates in extreme temperatures from -4 F to 122 F (-20° C to 50° C)

READY FOR ANYTHING

- Long-range Bluetooth® Smart Ready, Wi-Fi®, USB connectivity, 8 MP rear and 2 MP front cameras
- 4G LTE (CELL and GEO/CELL models)
- High-performance GNSS receiver (GEO/CELL model)



JUNIPER RUGGED™

- Maximum protection for your data
- Dustproof & waterproof (IP68 rating)
- Designed to MIL-STD-810G for ultra-ruggedness
- 2-year warranty

ILLUMIVIEW™ HIGH-VISIBILITY DISPLAY

- Large, 7-inch display for easy viewing
- IllumiView technology provides extraordinary visibility
- Optically-bonded capacitive touch screen for needle-sharp imagery
- Chemically-strengthened Dragontrail™ glass for excellent impact & scratch resistance



BREAK NEW GROUND

PROCESSOR

- Quad-core Intel® Pentium N4200 processor

OPERATING SYSTEM

- Microsoft® Windows 10
- Multiple languages supported (English, French, Spanish, German, Portuguese)

MEMORY AND DATA STORAGE

- 8 GB RAM (LPDDR4)
- 128 GB flash storage
- User-accessible MicroSDXC card slot

GRAPHICS

- Intel® HD Graphics

DISPLAY

- Active viewing area: 7" (178 mm)
- Resolution: WXGA (1280 x 800)
- High-visibility backlit LCD for best-in-class sunlight view-ability
- Portrait or landscape orientation with automatic screen rotation

TOUCH SCREEN

- Projected capacitive multi-touch interface for use with gloves, small tip stylus, and in wet conditions
- Optically bonded for increased visibility and strength
- Chemically-strengthened Dragontrail™ High Ion-Exchange (HIE™) cover glass for excellent impact and scratch resistance

KEYBOARD

- Adjustable LED backlit keys
- Four-way directional keypad
- Windows/home key
- Power key
- Enter key
- Three user-programmable function keys
- OEM configurable/customizable

PORTS

- USB 3.0 x 1
- 3.5 mm audio jack
- 12 VDC power input jack
- Docking port connections (Pwr, USB 2.0, HDMI, & ethernet)
- Loud output speaker for noisy environments
- Dual digital microphone input for improved clarity
- Optional RS-232 9-Pin D-Sub connector with 5VDC power output

BATTERY

- Removable Li-Ion battery, 43.2 Whr
- Operates 12–15 hours on one charge
- Removable battery, easily changeable in field
- Optimized for strong performance in cold temperatures
- Excellent lifecycle performance

PHYSICAL

- Size: 5.40" w x 8.48" l x 1.36" d (137 x 215 x 35 mm)
- Weight: 1.5–2 lbs (680–907 g) depending on battery configuration
- Durable, chemical- and shock-resistant design
- Easy-to-grip, impact-absorbing, overmolded bumpers
- Lightweight and ergonomic design

WIRELESS CONNECTIVITY OPTIONS

- Long-range Bluetooth® Smart Ready wireless technology, v5.0 +EDR, Class 1.5, BLE support
- Wi-Fi: 802.11 a/b/g/n/ac, 2.4 GHz and 5 GHz
- 4G LTE (CELL and GEO/CELL models)

CAMERA

- Rear: 8 MP with LED illumination
- Front: 2MP
- Juniper Geotagging™: embed photo with date, time, and GNSS position

GPS/GNSS (GEO/CELL MODELS)

- 2 to 5 meter typical accuracy
- uBlox NEO-M8N GNSS receiver and integrated antenna
- Integrated real-time SBAS receiver (WAAS, EGNOS, etc.)
- 72 GNSS tracking channels

OTHER FEATURES

- Ambient light sensor
- Compass
- Accelerometer
- Gyroscope
- TPM (Trusted Platform Module) v2.0

CERTIFICATIONS AND STANDARDS

- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety
- RoHS 2 Compliant
- Optional Class I, II, & III, Division 2

JUNIPER RUGGED™

- IP68 waterproof and dustproof
- Operating Temperature: -4 F to 122 F (-20° C to 50° C)
- Storage temperature: -22 F to 158 F (-30° C to 70° C)
- Shockproof: multiple drops from 4' (1.2–1.5 m) onto concrete
- Designed for 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

WARRANTY

- 2-Year Warranty
- Service Plans Available

STANDARD ACCESSORIES

- Standard removable battery
- AC wall charger with international plug kit
- Capacitive small-tip stylus w/tether
- Quick Start Guide
- Hand strap
- Connector port dust cover
- 2-year warranty

Available models

- STANDARD
- CELL
- GEO/CELL

Bundle with SurvPC

The Windows-based data collection program - with the option of running with the Esri OEM program for use in the field. Or use in the office with any Carlson office software.

