

RT4+ Rugged Tablet



The Carlson RT4+ is a ruggedized Windows based tablet designed for surveying, stake out, construction layout and GIS mapping. Bundled with Carlson's most powerful field software—SurvPC—a faster processor, 16GB of RAM and 256GB of storage, you can collect and analyze your data quicker than ever before, as well as use any of Carlson's office applications.

PERFORMANCE

- Powerful Intel N200 3.7GHz processor
- Now with 16GB RAM & 256GB flash storage
- Faster display with Intel's Gen12 UHD graphics



EXPANDABLE BATTERY



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

READY FOR ANYTHING

- Windows 11 for office-to-field use
- Long-range Smart Ready Bluetooth®, Wi-Fi®, USB connectivity
- Improved 13 MP rear (with LED) and 5 MP front cameras
- 4G LTE ready for RTK Mobile or other carriers
- High-performance GNSS receiver



JUNIPER RUGGED™

- Maximum protection for your data
- Dustproof & waterproof (IP68 rating)
- Designed to MIL-STD-810G for ultra-ruggedness
- 3-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™ HW glass for excellent impact & scratch resistance



BREAK NEW GROUND

PROCESSOR

- Intel® N200, 3.7 GHz burst

OPERATING SYSTEM

- Microsoft® Windows 11
- Multiple languages supported (English, French, Spanish, German, Portuguese)

MEMORY AND DATA STORAGE

- 16 GB RAM (LPDDR5)
- 256 GB PCIe SSD
- User-accessible MicroSDXC card slot

GRAPHICS

- Intel® Gen12 UHD 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 navpad
- Windows/home key
- Power key
- Enter key
- Three user-programmable function keys

PORTS

- USB-A (5Gbps) x 1
- USB-C (5Gbps) x 1
- 12 VDC power input jack
- Docking port connections (Power, USB 2.0)
- Loud output speaker for noisy environments
- Dual digital microphone input for improved clarity

BATTERY

- Removable Li-Ion battery, 43.2 Whr
- Operates up to 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: 1.5lbs (680g) without swappable battery
- Durable, chemical- and shock-resistant design
- Easy-to-grip, impact-absorbing, overmolded bumpers
- Lightweight and ergonomic design

WIRELESS CONNECTIVITY

- Long-range Bluetooth® Smart Ready wireless technology, v5.3 + EDR, Class 1.5, BLE support
- Wi-Fi 6 (802.11 ax), 2.4 GHz and 5 GHz Wi-Fi 6E
- 4G LTE multi-carrier capable

CAMERA

- Rear: 13 MP with LED illumination
- Front: 5 MP
- Juniper Geotagging™: embed photo with date, time, and GNSS position

GPS/GNSS

- 2 to 5 meter typical accuracy
- Quectel LC79H
- Integrated real-time SBAS receiver (WAAS, EGNOS, etc.)
- 135 GNSS tracking channels

OTHER FEATURES

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

CERTIFICATIONS AND STANDARDS

- FCC and ISCED Certification (USA and Canada)
- FCC Class B and ICES-003 Class B (USA and Canada)
- CE Marking (EU Radio Equipment and RoHS Directives)
- ACMA RCM (Australia)
- United States Toxic Substances Control Act (TSCA)
- California Prop 65
- Canada Prohibition of Certain Toxic Substances
- EU REACH, EU POP, SCIP, WEEE

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 to meet MIL-STD-810H test procedures: Method 501.7 High Temperature; Method 502.7 Low Temperature; Method 503.7 Temperature Shock; Method 507.6 Humidity; Method 514.8 Vibration; Method 516.8 Shock

WARRANTY

- 3-Year Warranty
- Service Plans Available

STANDARD ACCESSORIES

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

AVAILABLE ACCESSORIES

- Powered stylus
- Detachable keyboard



Bundle with SurvPC

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

