

# 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 or 256 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,
- 4G LTE (GEO CELL model)
- High-performance GNSS receiver and 8 MP rear, 2 MP front camera (CELL & GEO/CELL Models)



## 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

## CAMERA (GEO MODELS)

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

## GPS/GNSS (GEO 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
- Optional: uBlox NEO-M8T w/post-processing data output and external GNSS antenna pass-through connection for sub-meter accuracy

## 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.

