

RTA

Rugged Tablet



The Carlson RTA is a ruggedized Android™ based tablet designed for stake out, surveying, construction layout and GIS mapping. Bundled with Carlson's Layout, E-Connect, or Carlson Scan field software, the RTA's rugged construction, fast performance, and exceptional outdoor screen performance make it the clear choice for efficiency in the field.

PERFORMANCE

- Powerful Hyper-Engine 8-Core processor and 4K GPU
- 12 GB RAM & 256 GB flash storage



ALL-DAY BATTERY

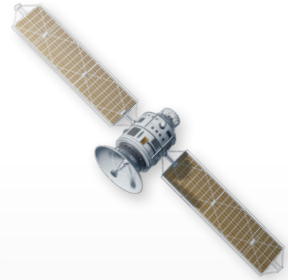
- All-day 12,200 mAh battery runs for up to 10 hours at continuous maximum brightness or up to 72 hours set to auto-brightness



- Operates in extreme temperatures from -4°F to 124°F (-20°C to 51°C)
- Battery holds charge for 15 days on standby
- 3-hour fast charging from 1% to full

READY FOR ANYTHING

- Android 12 operating system
- Long-range Smart Ready Bluetooth®, Wi-Fi®, USB-C, HDMI connectivity
- 48 MP back and 20 MP front cameras
- 4G LTE unlocked, ready for RTK Mobile or other carriers
- Integrated GNSS receiver



FIELD-TESTED RUGGED

- Dustproof & waterproof (IP68 rating)
- High-strength polyurethane and aluminum alloy construction supports up to a ton of pressure

EXCEPTIONAL HIGH-VISIBILITY DISPLAY

- True sunlight-readable **1300 nits** sustained brightness for easy viewing
- 8-inch active viewing area, 2560x1600 resolution



BREAK NEW GROUND

PROCESSOR

- Hyper-engine Octa-Core 64-bit

OPERATING SYSTEM

- Google Android 12
- Multiple language support

MEMORY AND DATA STORAGE

- 12 GB RAM
- 256 GB internal storage
- User-accessible MicroSD card slot

GRAPHICS

- 3D 4K Ready GPU

DISPLAY

- Active viewing area: 8" (203 mm)
- Resolution: 2560x1600
- 1300 nits sustained brightness

TOUCH SCREEN

- Capacitive multi-touch interface for use with gloves and in wet conditions
- Fully laminated glass with antireflective UV coating
- Oleophobic coating for fingerprint resistance
- Compatible with polarized sunglasses

PORTS

- USB Type C 3.0 with flap cover
 - Data transmission up to 5Gb per second
 - Power delivery capable
 - Fast Charging
- HDMI Output with flap cover
- HDMI Input through the USBc (adapter required)

BATTERY

- Lightweight 12,200 mAh Li-Ion battery
- Operates 10 hours on one charge on maximum brightness
- Operates 72 hours on one charge on AutoBrightness
- 15 days on Standby duration
- Optimized for strong performance in cold and hot temperatures
- Fast charging at 36W

PHYSICAL

- Size: 5.25" w x 8.75" h x 0.6" d (130 x 220 x 15 mm)
- Weight: 1.3lbs (590g)
- Easy-to-grip, impact-absorbing, overmolded bumpers
- Lightweight and ergonomic design

WIRELESS CONNECTIVITY

- Long-range Bluetooth® Smart Ready wireless technology, v5.0 + EDR
- Wi-Fi 802.11 a/b/g/n/ac, 2.4 GHz and 5 GHz
- NFC Transmission capable

CELLULAR CAPABILITIES

- 4G LTE Unlocked
- Data and voice capable with earpiece integrated
- FDD-LTE BANDS
B1/2/3/4/5/7/8/12/13/14/17/18/19 20/25/26/28/66/71
- TD-LTE BANDS
B 38/39/40/41
- All required bands for compatibility with Verizon, AT&T, and T-Mobile in the USA
- Compatible with all carriers worldwide
- Nano SIM card (2 slots)

- PTCRB Certified for all carriers
- GCF Certified for all carriers

CAMERA

- Back: 48 Megapixel 27mm equivalent focal length 4K video up to 48 MP @ 30fps
- Front: 20 Megapixel Front camera 1080p video

GPS/GNSS

- High Precision, ultra-fast GPS with up to 1-meter accuracy
- Compatible with GPS+, Glonass, BeiDou, Galileo
- Digital 3D Compass

CERTIFICATIONS AND STANDARDS

- Google Android - Global
- Android Enterprise - Global
- FCC - United States
- ICES - Canada
- CE - European Community
- JATE - Japan
- TELEC - Japan
- PSE - Japan
- RCM - Australia
- ROHS - European Community
- GCF - Global
- PTCRB - Global
- SOTI MDM - Global

FIELD-TESTED RUGGED

- IP68 waterproof and dustproof
- Operating temperature: -4° F to 124° F (-20° C to 51° C)
- Storage temperature: -20°F to 170°F (-28°C to 76°C)
- Dropproof: multiple drops from 4' (1.2 -1.5 m) onto flat surface concrete
- Shake-proof: 1-19Hz/1.0mm; 19-200Hz/1.0g
- Certification: Military Standard 810G
- 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

- 1-year limited warranty
- Extended warranties available



Designed and Engineered in the United States of America