

	Carlson RT4+	Carlson RT5+	Washington
Processor	Intel N200 <3.7GHz	Intel N250 4-Core <3.7GHz	Intel Atom x7-E3950 1.6GHz
Memory	16G RAM 256GB Flash	16G RAM 512GB Flash	32G eMMC FLASH 256G SSD
Storage (removable)	MicroSDXC	Smart Card	n/a
Operating System	Windows 11	Win 11 IoT NTSC	Win 10 IOT LTSC
Overall Size	8.48"x5.4"x1.36"	9.4"x6.1"x1.3"	11"x6.3"x2"
Weight	2.0lbs	2.58lbs	2.4lbs
Screen size (diag)	7" diag.	8" diag.	5" diag.
Screen Brightness	800 NITS	800 NITS	
Water resistance	IP68	IP65	IP65
Operating Temp °	-4°F to 122°F	14°F to 122°F	-4°F to 113°F
Shock resistance	MILstd-810g	MILstd-810g	1M onto concrete
BlueTooth	LR- v5.0 +EDR BLE	LR- v5.0	v2.0 & LR- v5.1
WiFi	802.11a/b/g/n/ac 2.4G & 5G	802.11a/b/g/n/ac 2.4G & 5G	802.11a/b/g/n/ac
Cellular	4G LTE*	4G LTE (GSM)	4G World Wide eSIM
Camera	13 MP AF Rear 5 MP Front	8 MP AF Rear N/A	13MP AF rear n/a
GPS (mapping grade)	2-5M SBAS	not listed	Internal included
GNSS (Survey Grade)	n/a	n/a	Optional Internal
Compass	internal	internal	n/a
Ports	1 USB-A 3.0 1 USB-C 1 5.5x2.1mm DC 1 3.5mm Audio Network Docking 1 Removable Hot Swap	1 USB-A 3.0 1 USB-C 1 4.75x1.75mm DC 1 3.5mm Audio Network Docking	1 USB-A 1 RS-232 DB-9 Serial 1 5.5x2.1mm DC SMA-RP for LR B/T n/a
Battery	Swapped	1 Removable Hot Swap	2 Removable Hot Swap
Run time: (*c)	12-15hrs	10+hrs***	<14hrs*(b)
12VDC Charger	Optional	Optional	n/a yet
Spare Battery			
Charger	Optional	Optional	Included
Add on Keyboard	Optional OEM and After Market (CSS)	Optional OEM and After Market (CSS)	n/a
WARRANTY	2 Year	3 Year No Fault**	1 Year

!! Manufacturers product information supersedes this document

!! See manufacturers product information for current information.

**No Fault warranty includes ONE LCD related incident per year

*** RT5+ offers optional 90 Watt battery with 15+ hours of run time.

*(a) Survey Grade RTK receiver is OPTIONAL in Washington

*(b) WDC includes (2) batteries each capable of up to 7hrs of run time

*(c) Run times shown are dependent upon settings and use and can vary greatly