

## Listed Data Collectors Include SurvCE GNSS & Brackets; iGage (Dec 2018)

					
Model	Howay <b>T18</b>	Nautiz X8 <b>NX8-BW</b>	Carlson <b>Mini2 GEO</b>	Carlson <b>Surveyor2 GEO</b>	Spectra <b>Ranger 3XC</b>
Kit Price: <b>SurvCE GNSS + Claw &amp; Pole Bracket</b>	<b>\$2,022</b>	<b>\$2,096</b>	<b>\$3,406</b>	<b>\$3,850</b>	<b>\$4,341</b>
Screen Size	3.7" 640 x 480	4.7" 854 x 480	4.3" 800 x 480	4.3 640 x 480	4.2 640 x 480
Touch Screen Type	<b>Touch</b>	Capacitive	Capacitive	Capacitive	<b>Touch</b>
Processor	TI 1GHz MHz (Very Fast)	TI 4470 1.5 GHz	1 GHz ARM Cortex A8 iMX53	1 GHz ARM Cortex A8 iMX53	800 MHz ARM Cortex A8 TI3715
Memory Disk Expansion	512 MB Ram 4 GB Flash Disk up to 32 GB uSD	1 GB Ram 4 GB Flash Disk micro-SD	512 MB Ram 8 GB Flash Disk micro SD/SDHC	512 MB Ram 8 GB Flash Disk micro SD/SDHC	256 MB Ram 8 GB Flash Disk SDHC
DB9 Serial Port	YES	YES	YES	YES	YES
Bluetooth	V2.1 Class 3	V2.0 Class 2, 39 feet	V2.1 +EDR Class 1.5	V2.1 +EDR Class 1.5	V2.0 + EDR
Camera	5-M Pix	8-M Pix	5 MP	Opt 5 MP GEO	5 MP
Wi-Fi	802.11 B/G	802.11 B/G/N	802.11 B/G/N	802.11 B/G/N	802.11 B/G
Internal GPS	GPS + BDS 167 Ch 2.5 m RMS WAAS	u-blox GPS	GPS+GLO+GAL+BDU	GPS+GLO+GAL+BDU	GPS
Headphone / Mic Jack	NO	YES	YES	YES	YES
Battery	6.5 Ahr 10 Hr	3.7V 5.2Ahr	3.6V 10.6Ahr 10Hr	3.7V 10.6 Ah 20+ Hr	11V 2.6 Ahr 30+ Hr
IP Rating	IP65	IP67	IP68	IP68	IP6x/7x
Cell Phone	3.5G GSM	None, or optional 3.8G GSM HSPA+/HSUPA or CDMA EVDO Rev. A	Optional GSM or CDMA 3.75G	Optional 3.75G	GSM CDMA
Weight	12 oz	17.3 oz	19 oz	32 oz	35 oz
OS	Win Mobile 6.x	Win E H 6.5.3	Win E H 6.5.3	Win E H 6.5.3	W E H 6.5.x
	27-keys, Alpha+Arrow Standard & Long Range BT	3-axis Accelerometer 3-axis gyroscope Ambient Light Digital Compass Altimeter Temperature			GPS Accelerometer Compass
Other Models		Std \$2,096 GSM \$2,422 CDMA \$2,422	Mini2 Std \$3,060 Mini2 GEO \$3,406 Mini2 GEOCell \$3,860	Standard \$4,052 Cell \$4,550 Geo/Camera \$4,350 GeoCamCell \$4,850	S3L \$3,299 no GSM/CDMA