

| GNSS Receivers                | R2 GNSS Receiver  | R1 GNSS Receiver  | Trimble Catalyst™ On-Demand Positioning Service  |
|-------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| DGNSS accuracy postprocessed* | > 1 cm                                                                                             | 50 cm                                                                                              | —                                                                                                                                   |
| DGNSS accuracy real-time*     | > 1 cm                                                                                             | <1 m                                                                                               | > 1 cm                                                                                                                              |
| GLONASS-capable               | Yes                                                                                                | Yes                                                                                                | Yes                                                                                                                                 |
| EVEREST multipath rejection   | Yes                                                                                                | Yes                                                                                                | Yes                                                                                                                                 |
| GNSS Antenna                  | Fully integrated                                                                                   | Integrated or external                                                                             | DA1 digital antenna only                                                                                                            |
| Trimble RTX compatible        | Yes                                                                                                | Yes (ViewPoint RTX™)                                                                               | Yes                                                                                                                                 |
| Integrated SBAS               | Yes                                                                                                | Yes                                                                                                | Yes                                                                                                                                 |
| Integrated OmniSTAR           | Yes (VBS, XP, HP, or G2)                                                                           | No                                                                                                 | No                                                                                                                                  |
| NMEA output                   | Yes (Optional)                                                                                     | Yes (Non-RTX)                                                                                      | No                                                                                                                                  |
| RTCM input                    | Yes                                                                                                | Yes                                                                                                | Yes                                                                                                                                 |
| Integrated Bluetooth          | Yes                                                                                                | Yes                                                                                                | No                                                                                                                                  |
| Weight                        | 1.08 kg (2.38 lbs)                                                                                 | 0.187 kg (0.4 lbs)                                                                                 | —                                                                                                                                   |
| Battery life                  | 5 hours (varies with temp.)                                                                        | > 10 hours                                                                                         | —                                                                                                                                   |
| Ruggedness                    | Withstands 2 m / 6.6 ft drop onto concrete                                                         | Withstands 1.2 m / 4 ft drop to plywood over concrete                                              | —                                                                                                                                   |
| Environmental                 | IP65                                                                                               | IP65                                                                                               | —                                                                                                                                   |
| Operating temperature         | −20 °C to 55 °C / −4 °F to 131 °F                                                                  | −20 °C to +60 °C / −4 °F to +140 °F                                                                | —                                                                                                                                   |

\* Refer to product datasheet and FAQs for full details and limitations. Accuracy specifications apply to the latest field and office software versions only.



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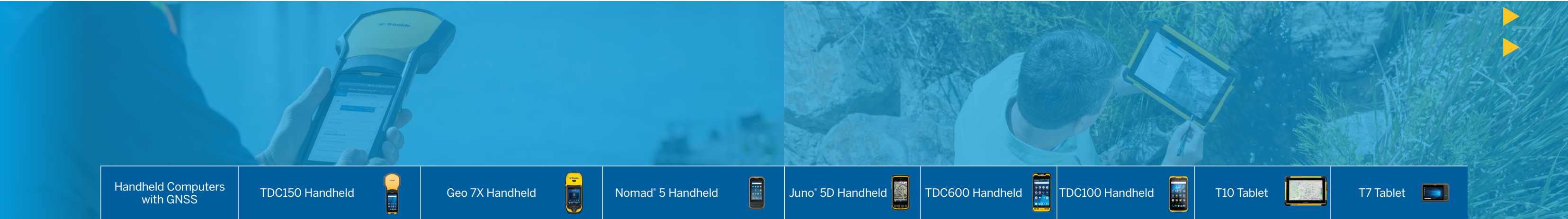
# GIS Hardware Product Comparison

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# GIS Hardware

## Product Comparison



| Handheld Computers with GNSS  | TDC150 Handheld  | Geo 7X Handheld  | Nomad® 5 Handheld  | Juno® 5D Handheld  | TDC600 Handheld  | TDC100 Handheld  | T10 Tablet  | T7 Tablet          |
|-------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| DGNSS accuracy postprocessed* | 1–100 cm                                                                                          | 1–100 cm                                                                                            | 2–4 m                                                                                                 | 2–4 m                                                                                                 | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| DGNSS accuracy real-time*     | 1–100 cm                                                                                          | 1–100 cm                                                                                            | 2–4 m (RTCM)                                                                                          | 2–4 m (RTCM)                                                                                          | 1.5 m typical                                                                                       | 1.5 m typical                                                                                       | 2–5 m                                                                                          | 2–4 m                                                                                                 |
| H-Star™ technology-capable    | No                                                                                                | Yes                                                                                                 | No                                                                                                    | No                                                                                                    | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| GLONASS-capable               | Yes                                                                                               | Yes                                                                                                 | Yes                                                                                                   | No                                                                                                    | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| Galileo-capable               | Yes                                                                                               | Yes                                                                                                 | No                                                                                                    | No                                                                                                    | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| QZSS-capable                  | Yes                                                                                               | Yes                                                                                                 | No                                                                                                    | No                                                                                                    | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | No                                                                                                    |
| BeiDou-capable                | Yes                                                                                               | Yes                                                                                                 | Yes                                                                                                   | No                                                                                                    | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| EVEREST™ multipath rejection  | No                                                                                                | Yes                                                                                                 | No                                                                                                    | No                                                                                                    | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| Floodlight™-capable           | No                                                                                                | Yes                                                                                                 | No                                                                                                    | No                                                                                                    | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| Trimble® RTX™ compatible      | No                                                                                                | Yes, via cellular delivery                                                                          | Yes, via cellular delivery                                                                            | No                                                                                                    | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| Integrated SBAS               | Yes                                                                                               | Yes, including SBAS+ support                                                                        | Yes                                                                                                   | Yes                                                                                                   | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| Integrated OmniSTAR®          | No                                                                                                | No                                                                                                  | No                                                                                                    | No                                                                                                    | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| NMEA output                   | Yes                                                                                               | Yes                                                                                                 | Yes                                                                                                   | Yes                                                                                                   | No                                                                                                  | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| RTCM input                    | Yes                                                                                               | Yes                                                                                                 | Yes (RTCM 2.3)                                                                                        | Yes (DGPS, RTCM 2.3)                                                                                  | No                                                                                                  | No                                                                                                  | No                                                                                             | Yes                                                                                                   |
| Operating system              | Android™ 6.0 "Marshmallow"                                                                        | Windows® Embedded Handheld Professional 6.5                                                         | Android 8.1 "Oreo"                                                                                    | Windows Embedded Handheld Professional 6.5                                                            | Android 8.0 "Oreo"                                                                                  | Android 6.0 "Marshmallow"                                                                           | Windows 10 IoT Enterprise                                                                      | Windows 10 Professional                                                                               |
| Processor                     | 1.2 GHz Qualcomm                                                                                  | 1.0 GHz OMAP DM3730                                                                                 | 2.2 GHz Qualcomm                                                                                      | 1.0 GHz OMAP DM3730                                                                                   | 2.2 GHz Qualcomm                                                                                    | 1.2 GHz Qualcomm                                                                                    | Intel® 6th Generation Core™ i7                                                                 | Intel Pentium N4200                                                                                   |
| Memory (RAM)                  | 2 GB                                                                                              | 256 MB                                                                                              | 4 GB                                                                                                  | 512 MB                                                                                                | 4 GB                                                                                                | 2 GB                                                                                                | 8 GB                                                                                           | 8 GB                                                                                                  |
| Screen details                | 13.4 cm / 5.3", multi-touch, 1280x720 px                                                          | 10.7 cm / 4.2", color touch screen, 480x640 px                                                      | 12.7 cm / 5" multi-touch, 1280x720 px                                                                 | 10.9 cm / 4.3", WVGA TFT, 480x800 px                                                                  | 15.2 cm / 6.0" multi-touch, 1920x1080 px                                                            | 13.4 cm / 5.3", multi-touch, 1280x720 px                                                            | 25.6 cm / 10.1", multi-touch, 1920x1200 px                                                     | 17.8 cm / 7", multi-touch, 1280x800 px                                                                |
| Data storage                  | 16 GB                                                                                             | 4 GB                                                                                                | 32 GB                                                                                                 | 16 GB / 32 GB (Barcode model)                                                                         | 64 GB                                                                                               | 8 GB (Wi-Fi model) / 16 GB (4G model)                                                               | 256 GB (Wi-Fi & Cirronet models) / 512 GB (4G model)                                           | 128 GB                                                                                                |
| Expansion slots               | 1 (microSDHC)                                                                                     | 1 (SD / SDHC)                                                                                       | 1 (microSD/SDHC)                                                                                      | 1 (microSD/SDHC)                                                                                      | 1 (microSD)                                                                                         | 1 (microSDHC)                                                                                       | No                                                                                             | 1 (SDXC)                                                                                              |
| Alphanumeric data entry       | Onscreen keyboard                                                                                 | Soft input panel (SIP) on screen keyboard                                                           | Onscreen keyboard, 3 programmable + 3 Android hard keys                                               | Soft input panel (SIP) on screen keyboard                                                             | Onscreen keyboard, 3 programmable hard keys                                                         | Onscreen keyboard, 2 programmable hard keys                                                         | Onscreen keyboard (plus optional keyboard with trackpad accessory)                             | Onscreen keyboard, 4 programmable hard keys, 5-way directional hard keys, Windows and Power hard keys |
| Integrated Barcode scanner    | No                                                                                                | No                                                                                                  | No                                                                                                    | Yes (Barcode model)                                                                                   | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| Integrated Bluetooth®         | Yes                                                                                               | Yes                                                                                                 | Yes                                                                                                   | Yes                                                                                                   | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| Integrated Wi-Fi              | Yes                                                                                               | Yes                                                                                                 | Yes                                                                                                   | Yes                                                                                                   | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| Integrated camera             | 2 MP front, 13 MP rear with flash                                                                 | 5 MP                                                                                                | 8 MP front, 16 MP rear with flash                                                                     | 8 MP with flash                                                                                       | 5 MP front, 13 MP rear with flash                                                                   | 2 MP front, 8 MP rear (Wi-Fi model) / 13 MP rear (4G model)                                         | 5 MP, outward facing                                                                           | 2 MP front, 8 MP rear with flash                                                                      |
| Orientation sensors           | Yes                                                                                               | Yes                                                                                                 | Yes                                                                                                   | No                                                                                                    | Yes                                                                                                 | Yes                                                                                                 | Yes                                                                                            | Yes                                                                                                   |
| Integrated rangefinder        | No                                                                                                | Yes                                                                                                 | No                                                                                                    | No                                                                                                    | No                                                                                                  | No                                                                                                  | No                                                                                             | No                                                                                                    |
| Cellular modem                | Yes                                                                                               | Yes (GSM/CDMA)                                                                                      | Yes                                                                                                   | Yes (Juno 5D only)                                                                                    | Yes                                                                                                 | Yes (4G model)                                                                                      | Yes (4G & Cirronet models)                                                                     | Yes                                                                                                   |
| Cellular voice capability     | No                                                                                                | No                                                                                                  | No                                                                                                    | Yes (Juno 5D only)                                                                                    | Yes                                                                                                 | Yes (4G model)                                                                                      | No                                                                                             | No                                                                                                    |
| Weight                        | 0.8 kg (1.87 lbs)                                                                                 | 0.96 kg (2.12 lbs)<br>1.08 kg (2.38 lbs) (incl. rangefinder)                                        | 0.7 kg (1.54 lbs)                                                                                     | 0.4 to 0.5 kg (0.9 to 1.10 lbs) depending on configuration                                            | 0.4 kg (0.9 lbs)                                                                                    | 0.27 to 0.31 kg (0.61 to 0.69 lbs) depending on model                                               | 1.4 kg (3.08 lbs)                                                                              | 1.2 kg (2.65 lbs)                                                                                     |
| Battery life                  | > 8 hours                                                                                         | Up to 10.5 hours: Internal GNSS, and backlight                                                      | Up to 10.5 hours                                                                                      | 8 hours                                                                                               | 15 hours: Internal GPS, and backlight                                                               | 10 to 15 hours depending on model: Internal GPS, and backlight                                      | < 12 hours                                                                                     | 7 hours depending on display setting, connectivity, data processing                                   |
| Ruggedness                    | Withstands 1.2 m / 4 ft drop                                                                      | Withstands 1.2 m / 4 ft drop                                                                        | Withstands 1.8 m / 6 ft drop                                                                          | Withstands 1.2 m / 4 ft drop                                                                          | Withstands 1.2 m / 4 ft drop                                                                        | Withstands 1.2 m / 4 ft drop                                                                        | Withstands 1.2 m / 4 ft drop                                                                   | Withstands 1.2 m / 4 ft drop                                                                          |
| Environmental                 | Protected from dust and moisture ingress per IP67 standard                                        | Dust-proof and resistant to heavy wind-driven rain per IP65 standard                                | Dust-proof, resistant to heavy rain per IP65 standard and immersion per IP68 standard                 | Impervious to dust and submersible in water per IP68 standard                                         | Protected from dust and moisture ingress per IP67 standard                                          | Protected from dust and moisture ingress per IP67 standard                                          | Dust-proof and resistant to heavy wind-driven rain per IP65 standard                           | Impervious to dust and submersible in water per IP68 standard                                         |
| Operating temperature         | –20 °C to 60 °C / –4 °F to 140 °F                                                                 | –20 °C to 60 °C / –4 °F to 140 °F                                                                   | –30 °C to 60 °C / –22 °F to 140 °F                                                                    | –30 °C to 60 °C / –22 °F to 140 °F                                                                    | –20 °C to 55 °C / –4 °F to 131 °F                                                                   | –20 °C to 60 °C / –4 °F to 140 °F                                                                   | –20 °C to 60 °C / –4 °F to 140 °F                                                              | –20 °C to 60 °C / –4 °F to 140 °F                                                                     |

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