

| | GPS64sx | GPS65s | GPS66sr | GPS66i |
|--|--------------------------------|---------------------------------|-------------------------------------|---|
| General | | | | |
| Physical dimensions | 6.1 x 16.0 x 3.6 cm | 6.1 x 16.0 x 3.6 cm | 6.2 x 16.3 x 3.5 cm | 6.6 x 16.3 x 3.5 cm |
| Display size | 3.6 x 5.5 cm;diagonal (6.6 cm) | 3.6 x 5.5 cm;diagonal (6.6 cm) | 3.8 x 6.3 cm; 7.6 cm | 3.8 x 6.3 cm; diag 7.6 cm |
| Display resolution | 160 x 240 pixels | 160 x 240 pixels | 240 x 400 pixels | 240 x 400 pixels |
| Display type | transflective, 65K color TFT | Transflective, 65K colour TFT | Transflective, colour TFT | transflective color TFT |
| Weight | 217 g with batteries | 217 g with batteries | 230 g with batteries | 241 g with batteries |
| Battery type | 2 AA batteries (not included) | 2 AA batteries (not included) | rechargeable, internal lithium-ion | rechargeable |
| Battery life | 16 hours | 16 hours | | |
| Battery life - 10-minute tracking | - | - | up to 36 hours | up to 35 hours |
| Battery life - Expedition mode | - | - | up to 450 hours | up to 200 hours |
| Water rating | IPX7 | IPX7 | IPX7 | IPX7 |
| MIL-STD-810 | - | - | yes (thermal, shock, water) | yes (thermal, shock, water) |
| Memory/History | 8 GB | 16 GB | 16 GB | 16 GB |
| Maps & Memory | | | | |
| Preloaded maps | yes (TopoActive; routable) | Yes (TopoActive; routable) | Yes (TopoActive; routable) | Yes (TopoActive; routable) |
| Ability to add maps | yes | yes | yes | yes |
| Waypoints/favorites/locations | 5,000 | 5,000 | 10,000 | 10,000 |
| Tracks | 200 | 200 | 250 | 250 |
| Track log | 10000 points, 200 saved tracks | 10,000 points, 200 saved tracks | 20,000 points, 250 saved gpx tracks | 20,000 points, 250 saved gpx tracks, 300 saved fit activities |
| Routes | 250 points per route | 250 points per route | 250 points per route | 250 points per route |
| Sensors | | | | |
| GPS | yes | yes | yes | yes |
| GLONASS | yes | yes | yes | yes |
| Galileo | yes | yes | yes | yes |
| QZSS (Japanese) | yes | yes | yes | - |
| Barometric altimeter | yes | yes | yes | yes |
| Compass | yes | yes | yes | yes |
| Daily Smart Features | | | | |
| Connect IQ™ | - | - | yes | yes |
| Smart notifications on handheld | yes | yes | yes | yes |
| Weather | yes | yes | - | yes |
| Pairs with Garmin Connect™ Mobile | - | - | yes | yes |
| Active Weather | - | - | yes | yes |
| Safety and Tracking Features | | | | |
| LiveTrack | - | - | yes | yes |
| Outdoor Recreation | | | | |
| Point-to-point navigation | yes | yes | yes | yes |
| Compatible with BaseCamp™ | yes | yes | yes | yes |
| Area calculation | yes | yes | yes | yes |
| Hunt/fish calendar | yes | yes | yes | yes |
| Sun and moon information | yes | yes | yes | yes |
| Geocaching-friendly | Yes (Paperless) | Yes (Paperless) | yes (Geocache Live) | yes (Geocache Live) |
| Custom maps compatible | yes (500 custom map tiles) | yes (500 custom map tiles) | yes (500 custom map tiles) | yes (500 custom map tiles) |
| Picture viewer | yes | yes | yes | yes |
| Outdoor Applications | | | | |
| Compatible with Garmin Explore™ app | - | yes | yes | yes |
| Garmin Explore website compatible | - | yes | yes | yes |
| Connections | | | | |
| Wireless connectivity | Yes - Bluetooth®, ANT+® | Yes - Bluetooth®, ANT+® | yes | yes |
| InReach (GPS 66i only) | | | | |
| Send and receive text messages to SMS and email | | | | yes |
| Send and receive messages with other inReach® users, exchange locations | | | | yes |
| Track and share location with friends and family on web-based MapShare® portal | | | | yes |
| Virtual keyboard for custom text messaging | | | | yes |