

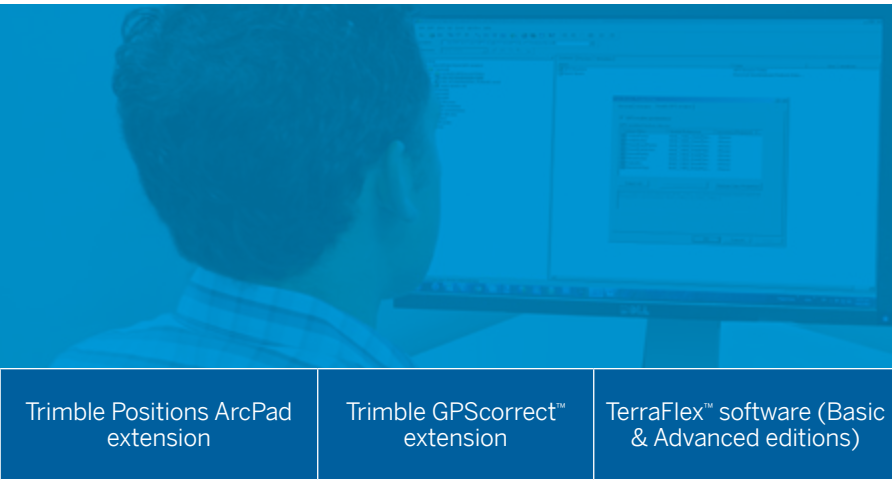


# GIS Software Product Comparison

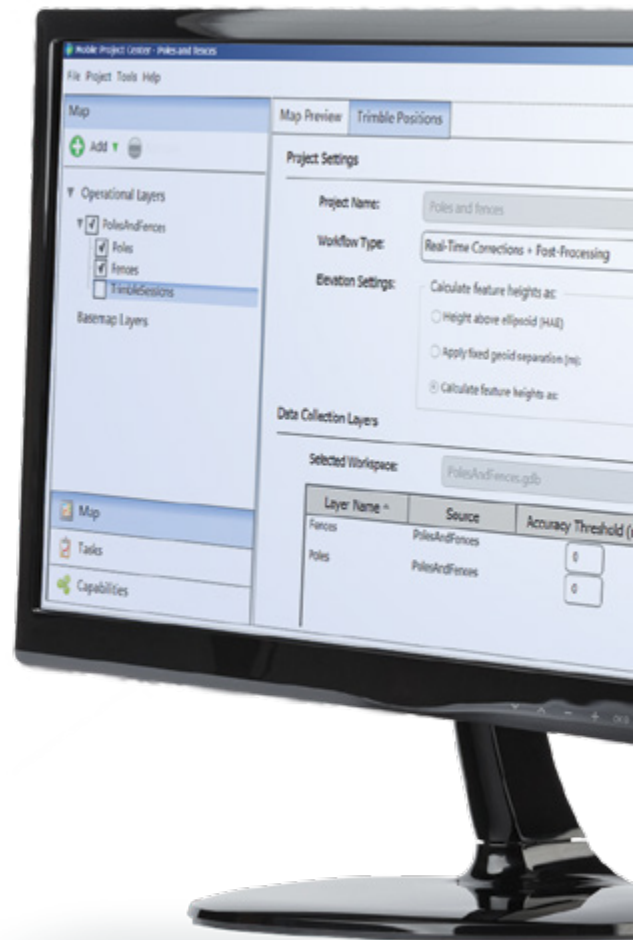
# GIS Software Product Comparison



Field Software	TerraSync™ software (Standard, Professional, Centimeter editions)	Trimble Positions™ Mobile extension
Data collection	Yes	Yes
Data maintenance	Yes (Professional & Centimeter)	Yes
QuickPoint™ data collection mode	Yes	No
Code phase data collection	Yes	Yes
Data collection for DeltaPhase™ postprocessing	Yes	Yes
H-Star data collection	Yes	Yes
Carrier phase data collection	Yes	Yes
RTK data collection	No	No
RTX data collection	Yes	Yes
Navigation	Yes	Available via ArcGIS for Windows Mobile
Customization	With TerraSync Studio	Trimble Positions Mobile Project Center extension
Data storage format	Trimble SSF	Trimble Positions database and Esri Mobile Cache
Field devices	Windows XP, Windows Vista, Windows 7, Windows Mobile version 6, 6.1, 6.5, and 5.0 including all current Trimble Mapping & GIS handhelds	Windows Mobile 6, 6.1, 6.5, Windows Embedded Handheld 6.5
Supported Trimble GNSS receivers	Geo 7 series, Juno 5/3/S series, Nomad 900G/1050 series, Yuma 2 tablet, Pro 6, GPS Pathfinder ProXRT, R2 & R1 receivers, 5800 (Model 2), R4 (Model 3), R6 (Models 1, 2, 4), R8 (Models 2, 3, 4), R10 (Model 1) receivers	Geo 7 (Centimeter edition not supported) /5 series, Juno 5/3 series, Nomad 900G/1050 series, Pro 6, R2 & R1 receivers
Coordinate system support	Latitude/Longitude (WGS 84), U.S. State Plane 27 (NADCON – Conus), U.S. State Plane 83 (NAD – Conus), UTM, and hundreds of additional systems are supported	Esri ArcGIS projection engine
External sensor support	Yes (Professional & Centimeter)	No
Laser rangefinder support	Yes (Professional & Centimeter)	Yes
IMS support	Yes (Professional & Centimeter)	Online background maps from ArcGIS for Server
Background layers	Professional & Centimeter only: MrSID (SID), JPEG (JPG) and JPEG2000 (JP2 and J2C), ECW, Bitmap (BMP), TIFF (TIF), Esri Shapefile (SHP), Trimble SSF (SSF)	Esri ArcGIS supported vector and raster formats
Simultaneous feature collection	Yes (Points during line/area collection)	Yes (Points during polyline/polygon collection)
Offsets	Yes	Yes
Graphical attribute pick lists	Yes	No
Advanced GNSS data symbology	No	Yes
VRS support	Yes	Yes



Trimble Positions ArcPad extension	Trimble GPSCorrect™ extension	TerraFlex™ software (Basic & Advanced editions)
Yes	Yes	Yes
Yes	Yes	Yes (Advanced)
No	No	No
Yes	Yes	Yes
Yes	Yes	No
Yes	Yes	Yes
Yes	Yes	Yes
No	No	No
Yes	No	Yes
Available via Esri ArcPad	Available via Esri ArcPad	Yes (Advanced)
Available via Esri ArcPad	Available via Esri ArcPad	No
Esri ArcPad Shapefile or AXF file and Trimble Positions ArcPad extension SSF	Esri ArcPad Shapefile or AXF file and Trimble GPSCorrect SSF	TerraFlex database
Windows 7/8, Windows Mobile 6, 6.1, 6.5, Windows Embedded Handheld 6.5	Windows XP, Windows Vista, Windows 7, Windows Mobile version 6, 6.1, 6.5, and 5.0	Windows 7/8, Windows Embedded Handheld 6.5, iOS 7 or later, Android 4.x or later
Geo 7 (Centimeter edition not supported) /5 series, Juno 5/3 series, Nomad 900G/1050 series, Yuma 2 tablet, Pro 6, GPS Pathfinder ProXRT, R2 & R1 receivers	Juno 3/S series, Nomad 900G series, Pro 6 & GPS Pathfinder ProXRT receivers	Geo 7 series, Juno 5/3 series, Nomad 900G/1050 series, Pro 6 (on WEHH and Windows 7/8), R10, R8s, R2 & R1 receivers
Esri ArcPad projection engine	Esri ArcPad projection engine	Latitude/Longitude (WGS 84)
No	No	No
Yes	Yes	Yes
Yes	Yes	No
Esri ArcPad supported vector and raster formats	Esri ArcPad supported vector and raster formats	Google Maps and OpenStreetMap
Yes (Points during polyline/polygon collection)	Yes (Points during polyline/polygon collection)	Yes
Yes	Yes	Yes
No	No	No
No	No	No
Yes	Yes	Yes







Office Software	GPS Pathfinder® Office software	Trimble Positions Desktop add-in	Trimble GPS Analyst™ extension	TerraFlex cloud services	TerraFlex add-in for ArcMap
Differential correction	Code phase, carrier phase, DeltaPhase, and H-Star processing	Code phase, carrier phase, DeltaPhase, and H-Star data processing	Code phase, carrier phase, DeltaPhase, and H-Star data processing	No	No
ShapeCorrect	Yes	Not applicable	Not applicable	Not Applicable	Not Applicable
Batch processing	Yes	Yes	No	No	No
Coordinate system support	Latitude/Longitude (WGS 84), U.S. State Plane 27 (NADCON - Conus), U.S. State Plane 83 (NAD - Conus), UTM, and hundreds of additional systems are supported	Esri ArcGIS projection engine	Esri ArcGIS projection engine	Latitude/Longitude (WGS 84)	Esri ArcGIS projection engine
Data export	AutoCAD DXF, dBASE, Esri Shapefile, Esri File Geodatabase, KML/KMZ (Google Earth mapping service), MapInfo MIF, Microsoft Access MDB, MicroStation DGN, configurable ASCII. Additional formats supported via Trimble SSF and DDF data format extensions for FME	Integrated with Esri Personal, File, and Enterprise SDE Geodatabases, and additional export formats supported in Esri ArcGIS software	Trimble SSF, Trimble Data Dictionary File (DDF), and additional export formats supported in Esri ArcGIS software	Shapefile, Geodatabase, CSV, KML	Integrated with Esri Personal, File, and Enterprise SDE Geodatabases, and additional export formats supported in Esri ArcGIS software
Data import	AutoCAD DXF, dBASE, Esri Shapefile, Esri File Geodatabase, MapInfo MIF, Microsoft Access MDB. Additional formats supported via Trimble SSF and DDF data format extensions for FME	Integrated with Esri Personal, File, and Enterprise SDE Geodatabases, and additional import formats supported in Esri ArcGIS software. Esri ArcPad Shapefile or AXF file and Trimble Positions ArcPad extension SSF	Trimble SSF, schema from Trimble DDF, Esri ArcPad Shapefile or AXF file and Trimble GPScorrect SSF	Esri XML Schema, Shapefile (Advanced), Geodatabase (Advanced)	Integrated with Esri Personal, File, and Enterprise SDE Geodatabases, and additional export formats supported in Esri ArcGIS software
Data dictionary creation	Yes	Create feature class schema	Create feature class schema	Feature class schema and digital form creation	Feature class schema and digital form creation
Data storage format	Trimble SSF	Personal, File, and Enterprise SDE Geodatabase	Personal Geodatabase	Hosted solution	Personal, File, and Enterprise SDE Geodatabase
Customization	Automation interfaces from Differential Correction and Export utilities only	No	Available via ArcObjects	No	No
Map display/editing	Yes	Esri ArcGIS map and editing engines	Esri ArcGIS map and editing engines	Google, Esri basemaps, and OpenStreetMap	Esri ArcGIS map and editing engines
Advanced GNSS data symbology	No	Yes	Yes	No	No
Feature rebuild	No	Yes	Yes	No	No
Feature verification	Yes	Yes	Yes	No	No
Field software support	TerraSync software (Standard, Professional, or Centimeter), Trimble Positions ArcPad extension, Trimble GPScorrect extension for Esri ArcPad, and applications developed with the GPS Pathfinder Field toolkit	Trimble Positions Mobile extension, Trimble Positions ArcPad extension, TerraSync software (Standard or Professional) and third-party applications built on the Trimble Positions toolkit	Trimble GPS Analyst extension field tools, TerraSync software (Standard, Professional, or Centimeter), Trimble GPScorrect extension for Esri ArcPad, and applications developed with the GPS Pathfinder Field toolkit	TerraFlex Mobile	TerraFlex Mobile

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