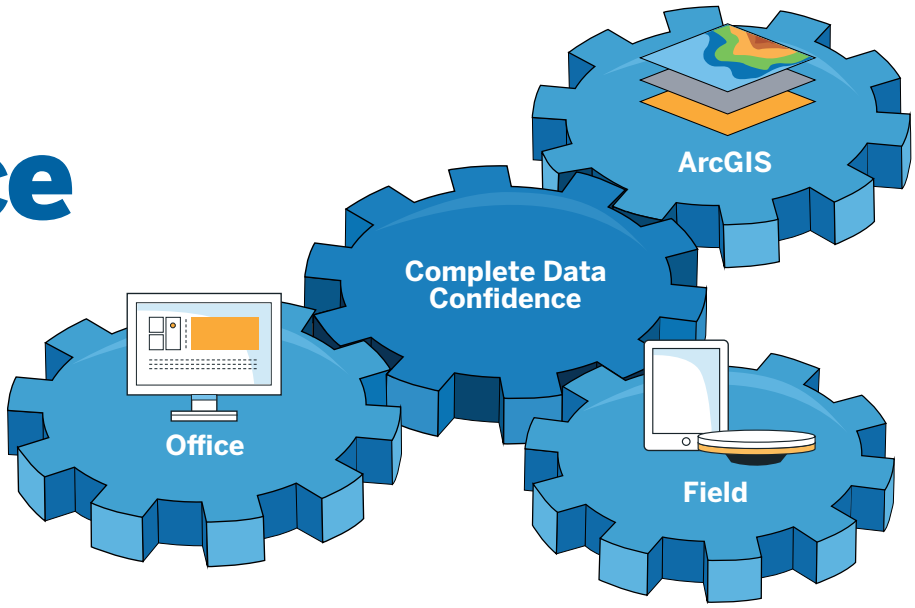
DATASHEET

Trimble Terra Office

DESKTOP SOFTWARE



Trimble® Terra™ Office provides a complete, streamlined workflow to manage your high-accuracy GNSS field data collection projects for optimal accuracy and integrity. Supporting a variety of Trimble TerraFlex™ and legacy Trimble TerraSync™ field software workflows, this desktop solution extends your investment in back-office GIS by connecting the field workflow directly to your existing systems for efficiency and maximum data and schema consistency.

Trusted Data Quality

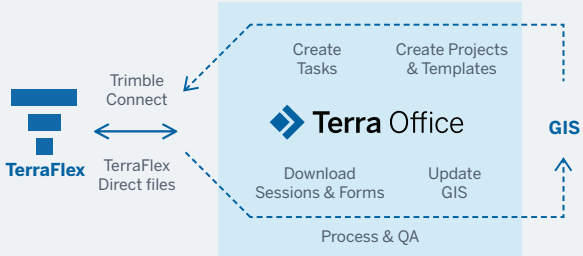
Because business decisions are only as good as the data available, Trimble ensures that GNSS data collected in the field is complete with the three key aspects of field data—geometries, attributes, and metadata—to give you the confidence your work is on the mark. These complementary data sets are maintained for you throughout your entire workflow, so you can focus on getting more work done.

- Integrated synchronization between field and office enables workflows that are quick and efficient.
- Define accuracy requirements to ensure certainty of the location of all assets.
- Correct and verify so only qualified data is updated to the GIS.
- All positions are accompanied by Trimble GNSS metadata to track the history of the data.

Trimble Terra Office Workflows

Trimble Terra Office supports several office-field-office data collection and maintenance workflows. The workflows support real-time GNSS corrections, automatic offline GNSS corrections (post-processing) in the cloud*, and manual post-processing within Trimble Terra Office*.

** Requires Trimble TerraFlex Premium license and a Trimble receiver that supports post-processing.*



Supported Field Workflows

TerraFlex Cloud

- In Terra Office create projects from layers in your GIS and publish them to Trimble Connect
- Projects are synchronized automatically to TerraFlex
- Collected data is synchronized back to Trimble Connect, downloaded in Terra Office, and stored in the GIS along with GNSS metadata

TerraFlex Direct

- In Terra Office create projects from layers in your GIS and save to a TerraFlex Direct "tfin" file
- The tfin file is transferred to the TerraFlex field device using USB, email attachment, or cloud file transfer services, etc
- In TerraFlex, open the tfin file containing projects and collect data
- Collected data is saved to a TerraFlex Direct "tfout" file and transferred manually back to the desktop running Terra Office
- Collected data is extracted out of the file and stored in the GIS along with GNSS metadata

TerraSync

- In Terra Office create projects based on layers in your GIS and save the schema-only projects to TerraSync Data Dictionary files (DDFs) for transfer to the field device
- Data collected in TerraSync is stored in an SSF file and transferred back to Terra Office
- Collected data is extracted out of the file and stored in the GIS along with GNSS metadata

Find out more at:
geospatial.trimble.com/terra-office

Trimble

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Trimble Terra Office

FUNCTIONALITY BY WORKFLOW	TerraFlex Cloud	TerraFlex Direct	TerraSync
Take existing GIS schema to the field	x	x	x
Enforce data types and other constraints from the existing GIS	x	x	x
Handle local coordinate system (horizontal and vertical) workflows	x	x	x
Define fields to be automatically populated in the field	x	x	
Setup metadata fields and accuracy requirements	x	x	x
Configure project for automatic post-processing in the cloud	x		
Utilize Connect Map Viewer for advanced project configuration (field presentation)	x		
Select existing features to take to the field for editing	x	x	x
Generate offline basemaps and reference layers		x	
Transfer projects and feature data using Trimble Connect	x		
Transfer projects and feature data using any cloud file transfer service or email		x	
Transfer projects and feature data using local USB connection		x	x
Perform QA/QC on collected data to review feature geometries and accuracies	x	x	x
Manually post-process data for improved accuracy	x	x	x
Integrate collected features (with metadata) directly into the existing GIS	x	x	x

TRIMBLE TERRA OFFICE ADD-IN FOR ARCMAP	
Environment/Compatibility	Esri® ArcGIS® Desktop (ArcMap®) version 10.2 or higher
Supported workflows	TerraFlex Cloud, TerraFlex Direct, TerraSync
Supported GIS data sources	File Geodatabases, Enterprise Geodatabases
Supported operating systems	Windows® 10 or higher
Available languages	English, Spanish, French, German, Portuguese (Brazilian), Japanese
License type	Terra Office Standard subscription (annual)

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