



Feature Matrix

TRIMBLE BUSINESS CENTER v5.10 SOFTWARE

May 2019

Each Trimble® Business Center (TBC) Edition is designed to support a set of related workflows:

- ▶ **Viewer (Unlicensed)**: Import + review field data, view projects, + export to Trimble field devices + software.
- ▶ **Field Data Edition**: Export third-party field data, perform basic CAD functions, complete data quality control, adjust networks, + work with level data.
- ▶ **Surface Modeling Edition**: Basic point cloud management, create + edit surfaces + alignments, cut/fill maps, + earthwork reports.
- ▶ **Survey Intermediate Edition**: Perform GNSS post-processing, traverse adjustments, site calibrations; work with background images, labels, + dimensions.
- ▶ **Survey Advanced Edition**: Work with Trimble Vision™ data, create plan sets, process cadastral data, leverage full COGO + corridor routines.
- ▶ **Site Modeling Edition**: Convert + elevate 2D geometry into 3D for field operations; cleanup project data.
- ▶ **Site Construction Edition**: Compute site mass haul + site takeoff computations, linear quantities, layer depths, + material volumes.
- ▶ **Infrastructure Construction Edition**: Parametric intersection, interchange, + ramp designs with corridor mass haul quantities + volumes.



Blue text denotes new or enhanced v5.10 features

Command	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
Coordinate System Management	x	x	x	x	x	x	x	x
Data Viewing	x	x	x	x	x	x	x	x
Feature Definition Management	x	x	x	x	x	x	x	x
Feature Library Creation + Editing	x	x	x	x	x	x	x	x
GNSS Online Planning	x	x	x	x	x	x	x	x
SketchUp Compatibility	x	x	x	x	x	x	x	x
Trimble Field Data Import + Export	x	x	x	x	x	x	x	x
Trimble Sync Manager	x	x	x	x	x	x	x	x
VisionLink	x	x	x	x	x	x	x	x
Basic CAD + COGO Tools		x	x	x	x	x	x	x
Data Spreadsheets		x	x	x	x	x	x	x
Detect Crossing Geometry	x	x	x	x	x	x	x	x
Feature Code Processing		x	x	x	x	x	x	x
Georeference + Export IFC for Trimble Access	x	x	x	x	x	x	x	x
Import + Adjust Level Data		x	x	x	x	x	x	x
Import + Export ESRI Shapefiles		x	x	x	x	x	x	x
Local Site Settings		x	x	x	x	x	x	x
Optical Data Processings		x	x	x	x	x	x	x
Third-Party Data Exports		x	x	x	x	x	x	x
TopoDOT Export - Terrestrial Scan Data	x	x	x	x	x	x	x	x
Create + Edit Alignments			x	x	x	x	x	x
Create + Edit Surfaces			x	x	x	x	x	x
Create Points from CAD			x	x	x	x	x	x
Earthwork Reports			x	x	x	x	x	x
Point Cloud Viewing + Sampling			x	x	x	x	x	x
Surface + Stored Cross-Section Reports			x	x	x	x	x	x
Surface Contours			x	x	x	x	x	x
View Data in Google Earth			x	x	x	x	x	x

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Command	Viewer	Field Data	Surface Modeling	Survey Intermediate	Survey Advanced	Site Modeling	Site Construction	Infrastructure Construction
ALTA Relative Precision Report				x	x	x	x	x
Customized Reports				x	x	x	x	x
Dimensions + Annotations				x	x	x	x	x
Display Background Maps				x	x	x	x	x
Dynamic Label + Table Creation				x	x	x	x	x
Georeference PDFs				x	x	x	x	x
GNSS Baseline Processing				x	x	x	x	x
Grid + Ground Labeling				x	x	x	x	x
Image Tools				x	x	x	x	x
Network Adjustments				x	x	x	x	x
Site Calibration Tools				x	x	x	x	x
Traverse Adjustments				x	x	x	x	x
Trimble RTX GNSS PP Service				x	x	x	x	x
Automated Cross-Section Plots					x	x	x	x
Corridor Design Tools					x	x	x	x
Create 3D PDFs					x	x	x	x
Create COGO + Survey CAD Commands					x	x	x	x
Create Plan + Sheet Sets					x	x	x	x
Create Rectified Images					x	x	x	x
Create Side Slope					x	x	x	x
Create Subplanes Along a Path					x	x	x	x
Cutting Plane View + Plane Manager					x	x	x	x
Dynamic Scale Bars					x	x	x	x
Dynaview Links to Model Space					x	x	x	x
Generate Panorama Images					x	x	x	x
History Log View					x	x	x	x
Import + View Mobile Mapping Data					x	x	x	x
Legal Description Writer					x	x	x	x
Macros Creation + Application					x	x	x	x
Merge Survey Projects					x	x	x	x
Parcel + Map Check Routines					x	x	x	x
Projected, Radial, + Vertical Surfaces					x	x	x	x
Publish to Trimble Clarity v1					x	x	x	x
Single + Double Proportioning					x	x	x	x
Superelevation Diagrams					x	x	x	x
TopoDOT Export - Mobile Mapping Data					x	x	x	x
Trimble VISION Support					x	x	x	x
Virtual DR					x	x	x	x
Data Prep Tools						x	x	x
Elevate Contours, Pads, + Lines						x	x	x
Machine Data Tools						x	x	x
Map Layers						x	x	x
Project Cleanup Tools						x	x	x
Surface Site Improvements						x	x	x
Variable Offset Lines						x	x	x
Create + Analyze Site Mass Haul							x	x
Create Site Borings							x	x
Create Corridor Borings							x	x
Custom Takeoff Reports							x	x
Digitize Contours, Lines, + Pads							x	x
Digitize Cross-sections							x	x
Identify Site Regions							x	x
Station / Offset View							x	x
Strata + Topsoil Area Tools							x	x
Validate Site Improvements							x	x
Corridor Mass Haul Import + Export								x
Create + Analyze Corridor Mass Haul								x
Export Mass Haul to TILOS								x
Parametric Corridor Design Tools								x
Save Intersection Templates								x

Each Trimble® Business Center (TBC) Module is designed to support a group of workflows around a single topic. The modules are add-ons to an edition.

- **Aerial Photogrammetry Module:** Process + create deliverables with Trimble + third-party UAS data in TBC + UASMaster.
- **Drilling Piling Dynamic Compaction Module:** Create drill plans + reports for Trimble DPS900™ Machine Control Systems.
- **GIS Module:** Seamlessly integrate GIS data from Trimble Access™ + TerraSync™ software into TBC + connect to external GIS databases.
- **Mobile Mapping Module:** Process + register MX9 Mobile Mapping data; work with MX hardware calibrations.
- **MM MX9 Laser Correction Module:** Account + adjust for multiple-time around (MTA) laser effects in the MX9 Mobile Mapping hardware.
- **Scanning Module:** Register + colorize SX10™ data + classify regions, extract features, + create deliverables from SX10™ + third-party point clouds.
- **Tunneling Module:** Create + edit tunnel models for Trimble Access™ Tunnels + create customized as-built + geometry reports.
- **Utility Modeling Module:** Generate + visualize gravity, pressurized, + other utility runs in parametrical constrained trenches.

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Command	Aerial Photogrammetry	Drilling Piling Dynamic Compaction	GIS	Mobile Mapping	MM MX9 Laser Correction	Scanning	Tunneling	Utility Modeling
Adjust Photo Stations	x							
Adjustment with Ground Control Points	x							
Advanced UAS Adjustment	x							
Create Orthomosaic, Point Cloud, + DSMs	x							
Delair UX11 Support	x							
Hardware Agnostic Support in UASMaster	x							
senseFly eBee SODA Support	x							
UASMaster v9.x	x							
Create Compaction Plans + Reports		x						
Create Drill Plans + Reports		x						
Create Pile Plans + Reports with Custom Piles		x						
Import + Export to DPS900		x						
Extract Schema into Feature Libraries			x					
Import + Export File Geodatabases			x					
Import COR Files			x					
Map Metadata			x					
Post-process SSF Data			x					
Read GIS Data from Data Sources			x					
Upload Features to GIS Data Sources			x					
Adjust MX9 Mobile Mapping Data				x				
Compute Mobile Mapping Point Clouds				x				
Export Hardware Calibrations				x				
Import Processed GNSS Trajectories				x				
Register + Report MX9 Scan Data				x				
Adjust MTA for MX9 Laser					x			
Automatic Ground Extraction						x		
Automatic Region Classification						x		
Create CAD Points from Scan Points						x		
Create Orthophoto Images						x		
Extract Point Features						x		
Georeference Scan Data						x		
Import FARO Scan Data						x		
Import TZF (Trimble TX6 + TX8) Data						x		
Intensity-based Point Cloud Filtering						x		
Pairwise Point Cloud Registration						x		
Plane-based Point Cloud Registration						x		
Assign Point Cloud to Tunnel As-Builts							x	
Create + Edit Tunnel Corridors							x	
Create Setout Points							x	
Custom As-Built Tunnel Reports							x	
Draft Plan Sets with Tunnel Geometry							x	
Import + Export to Trimble Access Tunnels							x	
Render Design + As-Built Tunnel Mesh							x	
Tunnel Geometry Reports							x	
Create Pipe + Utility Networks								x
Create Utility Nodes								x
Customize Utility Shapes								x
Define Trench Templates + Surfaces								x
Trench Template Manager								x
Utility Takeoff Reports								x