

	ARCHICAD Teamwork	ARCHICAD Solo
<b>Modelling</b>		
New stair and railing tools	✓	✓
Automatic model-based building junctions	✓	✓
Core-based reference lines for structural elements & door / window reveals depths	✓	✓
Element association to storey heights	✓	✓
Intelligent building materials	✓	✓
Curved / profiled / slanted walls, beams, and columns	✓	✓
Custom geometry modifiers in complex profiles	✓	✓
Curtain wall tool	✓	✓
Multi-plane roof and shell tools	✓	✓
Morph tool for conceptual design	✓	✓
MEP routing (MEP Modeller add-on)	✓	✓
<b>Visualisation and 3D Exploration</b>		
Instant surface painter tool	✓	✓
Graphic overrides	✓	✓
Trace & reference	✓	✓
Real-time 3D cutting planes	✓	✓
Fully incorporated BIMx support, including camera / path export	✓	✓
BIMx HyperModel export (for iOS and Android devices)	✓	✓
Export to STL for 3D printing	✓	✓
3D zone geometry fits to complex elements	✓	✓
Partial structure display	✓	✓
Oriented view - rotate to align the entire view	✓	✓
Shadows and transparency in OpenGL	✓	✓
Basic renderer	✓	✓
Sketch renderer	✓	✓
CineRender (Cinema 4D rendering engine)	✓	✗
Twinmotion 2020	✓	✗
<b>Energy Evaluation</b>		
Integrated building energy evaluation	✓	✓
gbXML, PHPP, iSBEM, VIP-Energy data export	✓	✓
Thermal bridging, on-site PV and wind energy (EcoDesigner Star add-on)	✓	✓
<b>Documentation</b>		
Revision management	✓	✓
Element properties and expression defined properties	✓	✓
Renovation, retrofit and refurbishment workflow	✓	✓
Linework and fill management: merge and consolidate lines and fills	✓	✓
3D Document: dimensioned and annotated 3D views and reflected ceiling plans	✓	✓
Symbolic "soft" insulation - improved drafting quality	✓	✓
Interactive annotated door / window schedules	✓	✓
Schedule of finishes	✓	✓
Automatic dimensioning	✓	✓
Multiple linked / associative labels for each element	✓	✓
Scale dependant details and worksheets	✓	✓
Align camera view to existing photo	✓	✓
PDF layer support	✓	✓
Export interactive schedule data to Excel	✓	✓
Place external drawings (PDF, DWG, raster image formats)	✓	✓
Place/link to views in external ARCHICAD projects	✓	✗*
Attach DWGs as XREFs	✓	✗*
PMK file format support	✓	✗**

## Library

Library Container Files (.lcf) storage format	✓	✓
Embedded libraries stored in the project	✓	✓
Model View Options for library parts	✓	✓
Library migration and consolidation	✓	✓
Easy creation of custom library parts with modifiable attributes	✓	✓
Intuitive Ssearch function finds library parts in all active libraries	✓	✓
Access 100000s of objects via the BIM Components portal & bimobject.com	✓	✓

## Workflow and Project Management

Point cloud data import	✓	✓
Integrated collision detection	✓	✓
Graphical Favourites	✓	✓
Integrated drawing sheets and layout book	✓	✓
Markup tools	✓	✓
Supersafe autosave	✓	✓
Project publisher	✓	✓
Model-based solar irradiation study	✓	✓
Single storey and multi-storey hotlinked modules	✓	X*
Hotlink IFC	✓	X*

## Communication and Interoperability

AutoCAD DWG / DXF import / export	✓	✓
PDF import / export	✓	✓
Export multiple layouts into single DWG / PDF	✓	✓
Convert surveyor data to ARCHICAD meshes	✓	✓
Building element classification for MEP and structural engineering	✓	✓
Data exchange with structural software	✓	✓
IFC scheme setup	✓	✓
"Find & Select" and element scheduling for IFC data	✓	✓
Element classification management	✓	✓
BIM Collaboration Format (BCF)	✓	✓

## Teamwork and BIM Server

BIM Server - model based team collaboration	✓	X
Instant element reservation methods and team communication	✓	X
Remote project management	✓	X
Delta-server for fast and safe data exchange in teamwork	✓	X
BIM Server performance monitor	✓	X
User and role assignment and access rights control	✓	X
Portability and remote access	✓	X
BIM project snapshots to restore BIM server data	✓	X

## Performance

Predictive background processing for faster generation of complex details	✓	✓
Optimised OpenGL engine	✓	✓
Optimised scaling of multiple-core CPUs	✓	✓
Native 64-bit ArchiCAD on PC and Mac	✓	✓

## Licencing

Single licence hardware protection key	✓	✓
Single licence software protection key	✓	✓
Network licencing / concurrent licencing	✓	X
Licence borrowing	✓	X
Twinmotion 2020 entitlement	✓	X

\* Can be viewed in ARCHICAD Solo if imported in ARCHICAD Teamwork, but cannot be updated or edited.

\*\* Export only. Can be viewed as external drawings if imported/placed in ARCHICAD Teamwork.

ARCHICAD Teamwork

ARCHICAD Solo