

READ INTERFACES							
System Format	Extension	Version	Tessellation	Brep	Assembly	Features	PMI
3MF	.3mf		△		+		
AMF	.amf		△		+		
CADD5	_pd _ps	4 → 5		□	+		
CATIA V4	.model .dlv .exp .session	4.xx	△	□	+	⚙	
CATIA V5	.CATPart .CATProduct .cgr	R10 → R36 (V5-6 R2026)	△	□	+	⚙	⚡
CATIA V6	3Dxml	2011 (B209) → 2013x (B214)	△	□	+	⚙	⚡
3D EXPERIENCE	3Dxml	2014x (B216) → 2026x (B428)	△	□	+	⚙	⚡
COLLADA	.dae	1.5.0	△				
CREO	.prt .xpr .asm .xas .neu	Proe 13 → Creo 13	△	□	+	⚙	⚡
DGN	.dgn		△	□	+		
DWG	.dwg		△	□	+		
FBX	.fbx		△	□	+		
GLTF	.gltf .glb	1.0 & 2.0	△		+		
I-DEAS	.arc .unv .asc	→ NX6		□	+		
IFC	.ifc	IFC2X3	△	□	+		
IGES	.igs .iges	5.2 & 5.3		□	+		
INVENTOR	.ipt .iam	→ 2027	△	□	+		
JT	.jt	6.4 → 10.9	△	□	+		⚡
NASTRAN	.nas		△				
NX	.prt	11.1 → NX2606	△	□	+	⚙	⚡
OBJ	.obj		△				
PLMXML	.plmxml				+		
RHINO	.3dm	→ 6		□			
ROBCAD	.rf		△	□	+		
SAT	.sat .sab	→ R33		□	+		
SOLIDEDGE	.par .asm .psm	→ 2025		□	+		
SOLIDWORKS	.sldprt .sldasm	1999 → 2026	△	□	+	⚙	
STEP	.stp .step .stpz	AP203 AP214 AP242ed3	△	□	+		⚡
STL	.stl		△				
VDA	.vda	FS 2.0		□			
VISI	.wkf			□			
VRML	.wrl	97	△		+		
X3D	.x3d .x3db		△		+		
XML AP242	.xml .stpx .stepxz	AP242			+		
XT	.x_t .xmt_txt .x_b	→ 38		□	+		

WRITE INTERFACES						
System Format	Extension	Version	Tessellation	Brep	Assembly	PMI
3MF	.3mf		△		↗	
AMF	.amf		△		↗	
CADDS	_pd _ps	4 → 5		□	↗	
CATIA V4	.model .dlv .exp .session	4.xx	△	□	↗	
CATIA V5	.CATPart .CATProduct .cgr	R18 - R25 -> R31	△	□	↗	
COLLADA	.dae	1.5.0	△			
CREO	.neu	Proe 13 → WF5	△	□	↗	
DGN	.dgn		△	□	↗	
DWG	.dwg		△	□	↗	
FBX	.fbx		△	□	↗	
GLTF	.gltf .glb	2.0	△		↗	
IFC	.ifc	IFC2X3	△	□	↗	
IGES	.igs .iges	5.2 & 5.3	△		↗	
INVENTOR*	.ipt .iam	→ R3		□	↗	
JT	.jt	8.1 → 10.5	△	□	↗	≠
NASTRAN	.nas		△			
NX	.prt	NX5 NX8 NX10 NX12		□	↗	
OBJ	.obj		△			
PDF 3D	.pdf		△		↗	≠
PLMXML	.plmxml				↗	
RHINO	.3dm	→ 6		□		
ROBCAD	.rf		△	□	↗	
SAT	.sat .sab	→ R21		□	↗	
SOLIDEDGE*	.par .asm .psm	ST5		□	↗	
SOLIDWORKS	.sldprt .sldasm	2011 / 2014		□	↗	
STEP	.stp .step .stpz	AP203 AP214 AP242	△	□	↗	≠
STL	.stl		△			
VDA	.vda	FS 2.0		□		
VRML	.wrl	97	△		↗	
X3D	.x3d .x3db		△		↗	
XML AP242	.xml .stpx .stepxz	AP242			↗	
XT	.x_t .xmt_txt .x_b	→ 19		□	↗	

**available for Windows only*

All open-source third-party libraries included in 3D_Evolution are listed here. They have been verified against the CVE database (<https://www.cve.org>) and updated where necessary.

Library	Ver-sion	Licensing	URL
boost	1.90.0	Boost Software License 1.0	https://www.boost.org/
cdt	1.4.4	Mozilla Public License, Version 2.0	
chronoengine	5.0.1	BSD-3 License	
fast_double_parser	0.8.1	Boost Software License 1.0.	https://github.com/lemire/fast_double_parser
fast_float_parser	3.4.0	Boost Software License 1.0	https://github.com/fastfloat/fast_float
fmt	12.1.0	MIT license	https://github.com/fmtlib/fmt
freetype	2.14.3	FreeType License	https://freetype.org/index.html
glew	1.11.0	Modified BSD License	
jsoncpp	1.9.6	MIT License	https://github.com/open-source-parsers/jsoncpp
libjpeg	9f	Independent JPEG Group License	https://libjpeg.sourceforge.net/
libpng	1.6.58	PNG License version 2	http://www.libpng.org/pub/png/libpng.html
libtiff	4.7.1	LibTIFF license	http://www.libtiff.org
libzstd	1.5.7	BSD license	https://github.com/facebook/zstd
Polymorphic_value	1.3.0	MIT License	
rapidxml	1.13	Boost Software License 1.0	https://rapidxml.sourceforge.net
python	3.13.8	Python Software Foundation License	
unzip	1.1	Zlib License	http://www.winimage.com/zLibDll/minizip.html
xerces-c	3.2.5	Apache License, Version 2.0	https://xerces.apache.org/xerces-c/
LibLZMA (XZ)	5.4.7		
Zlib-ng	2.3.3	Zlib License	https://www.zlib.net/