



CAD Support
Release 2023 R2
Ansys Workbench Platform
Reader/Plug-Ins

CAD Package	Supported Versions	Reader / Plug-In	Operating System								VERSION NOTES:
			Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported	Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported	Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SUSE Linux Enterprise Server & Desktop 12 (SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04	
ACIS	2023	Reader	✓	✓	✓	✓	✓	✓	✓	✓	
AutoCAD	2023	Reader	✓	✓							
	2023	Plug-In	✓	✓							
	2022	Plug-In	✓	✓							
CATIA V4	4.2.4	Reader	✓	✓							
CATIA V5	V5-6R2023	Reader	✓	✓	✓	✓	✓	✓	✓	✓	
CATIA V6	2023x	Reader	✓	✓							
CATIA V5 - (CADNexus CAPRI CAE Gateway V3.90.0)	V5-6R2020, V5-6R2021, V5-6R2022	Reader ¹	✓								1 Provides a bidirectional integration requiring a CatiaV5 installation.
Creo Elements / Direct Modeling	20.5	Plug-In	✓	✓							
	20.4	Plug-In	✓								
Creo Parametric	9.0	Reader	✓	✓							
	10.0	Plug-in	✓	✓ ²							2 Requires Windows 11 version 21H2 or higher
	9.0	Plug-In	✓	✓ ²							2 Requires Windows 11 version 21H2 or higher
	8.0	Plug-In	✓	✓ ³							3 Minimum supported version 8.0.3.0; requires Windows 11 version 21H2 or higher
	7.0	Plug-In	✓ ⁴	✓ ⁵							4 Minimum supported version 7.0.4.0 5 Minimum supported version 7.0.7.0; requires Windows 11 version 21H2 or higher
Fusion 360	2.0.12392 onward	Plug-In	✓	✓							
IGES	4.0, 5.2, 5.3	Reader	✓	✓	✓	✓	✓	✓	✓	✓	
Inventor	2023	Reader	✓	✓							
	2024	Plug-In	✓	✓							
	2023	Plug-In	✓	✓							
JT	10.7	Reader	✓	✓							
Monte Carlo N-Particle ⁶		Reader*	✓		✓	✓	✓	✓	✓	✓	6 Support limited to DesignModeler

			Operating System								
			Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported	Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported	Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SUSE Linux Enterprise Server & Desktop 12 (SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04	
NX	2206	Reader	✓	✓							
	2212	Plug-In	✓ ⁶	✓ ⁶							6 Support limited to Professional & Enterprise versions
	2206	Plug-In	✓ ⁶	✓ ⁶				✓			6 Support limited to Professional & Enterprise versions
	2007	Plug-In	✓ ⁶	✓ ⁶				✓			6 Support limited to Professional & Enterprise versions
Parasolid	33.0	Reader	✓	✓	✓	✓	✓	✓	✓	✓	
Revit	2022	Reader	✓	✓							
Rhinoceros	7	Reader	✓	✓							
SketchUp	2021	Reader	✓								
Solid Edge	2023	Reader	✓	✓							
	2023	Plug-In	✓	✓							
	2022	Plug-In	✓	✓ ⁷							7 Requires 2022 Maintenance Pack
SOLIDWORKS	2023	Reader	✓	✓							
	2022 ⁸	Plug-In	✓								8 Validated by external third party
	2021 ⁸	Plug-In	✓								
	2020 ⁸	Plug-In	✓								
STEP	AP203, AP214, AP242	Reader	✓	✓	✓	✓	✓	✓	✓	✓	

Reader / Plug-In Footnotes:

* Excludes support using Workbench Readers for ICEM-CFD



CAD Support
 Release 2023 R2
 Ansys ICEM CFD
 Direct Interface Support

CAD Package	Supported Versions	Reader	Operating System	Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SUSE Linux Enterprise Server & Desktop 12 (SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04	VERSION NOTES:
ACIS	2020	Reader	Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported	✓	✓	✓	✓	✓		
CATIA V4	4.2.4	Reader	Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported	✓	✓	✓	✓	✓		
DWG		Reader		✓ ¹	✓	✓	✓	✓		
GEMS		Reader		✓	✓	✓	✓	✓		
IDI	MS 8/9	Reader		✓ ¹			✓			
IGES	4.0, 5.2, 5.3	Reader		✓ ¹	✓	✓	✓	✓		
Parasolid	33.0	Reader		✓ ¹	✓	✓	✓	✓		
Plot3d		Reader		✓			✓			
Rhinoceros		Reader		✓	✓	✓	✓	✓		
STEP	AP203, AP214, AP242	Reader		✓ ¹	✓	✓	✓	✓		
STL		Reader		✓ ¹	✓	✓	✓	✓		

Product Footnotes:
 1 Requires supplemental install



CAD Support

Release 2023 R2

Optical

- Speos for CAD Integration
- Zemax OpticsBuilder
- Zemax OpticStudio

Ansys Speos for:		Supported Versions	Operating System		Supported Service Packs:
			Windows 10	Windows 11	
Creo Parametric ¹	9.0	✓	✓		From service pack 9.0.1.0 to 9.0.3.0 supported
	8.0	✓	✓		From service pack 8.0.3.0 to 8.0.7.0 supported
	7.0	✓	✓		Up to service pack 7.0.10.0 supported
	6.0	✓			Up to 6.0.6.0 as service pack supported
NX ²	2306 ³	✓	✓		
	2212	✓	✓		
	2206	✓	✓		Up to service pack NX 2206 Build 4020 supported
	2007	✓	✓		Up to service pack NX 2027 Build 3400 supported
	1980	✓			Up to service pack NX 2000 Build 4020 supported
Package and Version Footnotes:					
1 Support available only on R2 releases					
2 Compatible with monthly NX service packs as available at the time of the release					
3 Ansys 2023 R2 Beta Support					

Red Hat Enterprise 7
(7.8 & 7.9)

Red Hat Enterprise 8
(8.3, 8.4, 8.5, 8.6 & 8.7)

SUSE Linux Enterprise Server &
Desktop 12 (SP5)

SUSE Linux Enterprise Server &
Desktop 15 (SP2, SP3 & SP4)

CentOS 7
(Community Enterprise OS 7.8 & 7.9)

Ubuntu LTS 20.04 & 22.04

Zemax OpticsBuilder for:	Supported Versions	Reader / Plug-In	Operating System		Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SuSE Linux Enterprise Server & Desktop 12 (SP5)	SuSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04	Operating System Addendums:
			Windows 10 (v1607 or later)	Windows 11							
Creo Parametric	4.0 ¹		✓								
	5.0		✓								
	6.0		✓								
	7.0.5.0 or later		✓								
	8.0 ²		✓								
	9.0 ²		✓								

Package and Version Footnotes:

1 Unsupported as of Ansys 2024 R1

2 Supported as of Ansys 2023 R2

Zemax OpticStudio for:	Supported Versions	Reader / Plug-In	Operating System		Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SuSE Linux Enterprise Server & Desktop 12 (SP5)	SuSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04	Operating System Addendums:
			Windows 10 (v1607 or later)	Windows 11							
ACIS	2021	Reader	✓	✓							
AutoCAD	2019, 2022, 2023	Reader	✓	✓							
CATIA v4	4.2.4	Reader	✓	✓							
CATIA V5	2022	Reader	✓	✓							
CATIA V5 - (CADNexus CAPRI CAE Gateway V3.90.0)	2020, 2021, 2022	Reader	✓								
CATIA V6	2019	Reader	✓	✓							
COLLADA	All	Reader	✓	✓							

Zemax OpticStudio continued:			Operating System						
Supported Versions	Reader / Plug-In	Windows 10 (v1607 or later)	Windows 11	Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SUSE Linux Enterprise Server & Desktop 12 (SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04
Creo Elements / Direct Modeling	20.4, 20.5	Reader	✓	✓					
Creo Parametric	9	Reader	✓	✓					
	4,5, 6, 7, 8, 9	Plug-In	✓	✓					
FBX	All	Reader	✓	✓					
Fusion 360	2.0.12392 onward	Reader	✓	✓					
gITF	2	Reader	✓	✓					
I-Deas	6	Reader	✓	✓					
IFC	4	Reader	✓	✓					
IGES	5.1, 5.2, 5.3	Reader	✓	✓					
Inventor	2023	Reader	✓	✓					
	2022, 2023	Plug-In	✓						
JT	10.6	Reader	✓	✓					
MicroStation	8	Reader	✓	✓					
NX	1980, 2007, 2206	Reader	✓	✓					
Parasolid	34	Reader	✓	✓					
PDF	All	Reader	✓	✓					
PRC	All	Reader	✓	✓					
Revit	2022	Reader	✓	✓					
Rhinoceros	7	Reader	✓	✓					
SketchUp	2021	Reader	✓						
SolidEdge	2021, 2022, 2023	Reader	✓	✓					
SOLIDWORKS	2020, 2021, 2022	Reader	✓						
STL	All	Reader	✓	✓					
STEP	AP242	Reader	✓	✓					
U3D	36.3	Reader	✓	✓					
VDA-FS	2	Reader	✓	✓					
VRML	2	Reader	✓	✓					
Wavefront	All	Reader	✓	✓					
3MF	1.2.3	Reader	✓	✓					

Zemax OpticStudio continued:	Supported Versions	Writer	Operating System	
			Windows 10 (v1607 or later)	Windows 11
ACIS	5	Writer	✓	✓
FBX	Any	Writer	✓	✓
IGES	5.1	Writer	✓	✓
JT	10	Writer	✓	✓
Parasolid	12.1	Writer	✓	✓
PRC	2023	Writer	✓	✓
STL	Any	Writer	✓	✓
STEP	242	Writer	✓	✓
U3D	363	Writer	✓	✓
Wavefront OBJ	Any	Writer	✓	✓
3MF	1.2.3	Writer	✓	✓

Red Hat Enterprise 7
(7.8 & 7.9)

Red Hat Enterprise 8
(8.3, 8.4, 8.5, 8.6 & 8.7)

SUSE Linux Enterprise Server &
Desktop 12 (SP5)

SUSE Linux Enterprise Server &
Desktop 15 (SP2, SP3 & SP4)

CentOS 7
(Community Enterprise OS 7.8 & 7.9)

Ubuntu LTS 20.04 & 22.04



CAD Support
Release 2023 R2
Ansys Mechanical APDL
Connections

CAD Package	Supported Versions	Connection	Operating System									VERSION NOTES:
			Windows 10 (Professional, Enterprise & Education) General Availability Channel releases are supported	Windows 11 (Professional, Enterprise & Education) General Availability Channel releases are supported	Red Hat Enterprise 7 (7.8 & 7.9)	Red Hat Enterprise 8 (8.3, 8.4, 8.5, 8.6 & 8.7)	SUSE Linux Enterprise Server & Desktop 12 (SP5)	SUSE Linux Enterprise Server & Desktop 15 (SP2, SP3 & SP4)	CentOS 7 (Community Enterprise OS 7.8 & 7.9)	Ubuntu LTS 20.04 & 22.04		
ACIS	2023	Connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CATIA V4	4.2.4	Connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	
CATIA V5	V5-6R2023	Connection	✓	✓								
Creo Parametric	10.0	Connection	✓	✓ ¹								1 Requires Windows 11 version 21H2 or higher
	9.0	Connection	✓	✓ ¹								1 Requires Windows 11 version 21H2 or higher
	8.0	Connection	✓	✓ ²								2 Minimum supported version 8.0.3.0
	7.0	Connection	✓ ³	✓ ^{1,3}								3 Minimum supported version 7.0.4.0
IGES	4.0, 5.2, 5.3	Connection	✓		✓	✓	✓	✓	✓	✓	✓	
NX	2206	Connection	✓ ³	✓ ³								3 Support limited to Professional & Enterprise versions
	2007	Connection	✓ ³	✓ ³								3 Support limited to Professional & Enterprise versions
	1980	Connection	✓ ³									3 Support limited to Professional & Enterprise versions
Parasolid	33.0	Connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	