



ADEPT

Viewer

SUPPORTED FORMATS

FALL '23 (Version 11.2.0)

Synergis 
Software

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ADEPT VIEWER SUPPORTED FORMATS – 2023-11-02

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ADEPT VIEWER: SUPPORTED FILE FORMATS

The following tables summarize the hundreds of document types and variants supported by the Adept Viewer. These include technical document types such as 2-D/3-D Computer Aided Design (CAD), as well as business documents such as Office and Graphics. The tables are organized by the industries in which these document types are typically used. Each section is arranged by vendor name, and by product name or file format within each vendor section. For desktop/office, graphics and other document types which are used across all industries, please refer to these respective tables which appear after the industry sections.

Note: The content of this version of this document is the same as the A11.1.0 version but still reflects support by the latest available version of Adept. File format support offered in versions previous to A11.1.0 of Adept will vary.

Engineering & Construction / Utilities / Energy				
Vendor	Product / File Format	File Type	Extensions	Product Versions
Autodesk				
	AutoCAD ⁽¹⁾	Drawing, Drawing Exchange	DWG, DXF ⁽²⁾⁽³⁾	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000, 14, 13c4, 13c3, 13c2, 13c1, 12
	AutoCAD ⁽¹⁾	Drawing, Binary Exchange	DXB	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000, 14, 13c4, 13c3, 13c2, 13c1, 12
	AutoCAD Mechanical 2-D	Drawing	DWG	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)
	Autodesk Mechanical Desktop 2-D	Drawing	DWG	2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)
	Autodesk Inventor	Drawing	IDW	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
	Autodesk Inventor	Drawing	DWG	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
	Autodesk Inventor	Part, Assembly	IPT, IAM	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010
Bentley Systems				
	MicroStation Drawing	Drawing	DGN	8i, 8XM, 8.5, 8.1, 8, J, SE, 95, 5, 4
	MicroStation Modeler	Drawing	DGN	7.1, J, 7.0, PE, 95

Engineering & Construction / Utilities / Energy (cont.)

Vendor	Product / File Format	File Type	Extensions	Product Versions
Dassault Systems				
	CATIA V4	Model, Export, Assembly, Session	MODEL, EXP, SESSION	4R2.X, 4R1.X, 4.0
	CATIA V5	Part, Product, Drawing	3DXML, CATPart, CATShape, CATDrawing, CGR	5-6R2023, 5-6R2022, 5-6R2020 (R30), 5-6R2019 (R29), 5-6R2018 (R28) 5-6R2017 (R27), 5-6R2016 (R26), 5-6R2015, 5-6R2014, 5-6R2013, 5-6R2012, 5R21-5R17
	SOLIDWORKS	Drawing	SLDDRW	2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006
	SOLIDWORKS	Part, Assembly	SLDPRT, SLDASM	2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006
Parametric Technology Corporation				
	Creo Parametric	Part, Assembly	PRT, XPR	9.0, 8.0, 7.0, 6.0, 5.0, 4.0, 3.0, 2.0, 1.0
	Pro/ENGINEER	Part, Assembly	PRT, XPR, NEU	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire
Siemens PLM Software				
	DirectModel	Part, Assembly	JT	10.5, 10.2, 10, 9.5, 9.4, 9.3, 9.2, 9.1, 8.1, 8, 7, 6.4
	Solid Edge	Part, Assembly, Sheet Metal	PAR, PSM	2023, 2021, 2020, 2019, ST10, ST9, ST8, ST7, ST6, ST5, ST4, ST3, ST2, ST, 20, 19, 18
	Unigraphics	Part, Assembly	PRT	NX 2212, NX 1953, NX 1847, NX 1872, NX12, NX11
	Parasolid	Part, Assembly	X_T, X_B, XMT ⁽¹³⁾ , XMT_TXT ⁽¹³⁾ , XT ⁽¹³⁾	up to version 35.1
Exchange Formats				
	IFC	3-D	IFC, IFCZIP	IFC 4.2, IFC2X3 and IFC2X2
	IGES	3-D	IGES, IGS	5.3, 5.2, 5.1
	STEP	3-D	STP, STEP, STE ⁽¹³⁾ , P21	AP242, AP214, AP203 E1/E2
	STL	Binary, Text	STL	1.0, 2.0
Others				
	HPGL/2	2-D	HGL ⁽¹³⁾ , HPG ⁽¹³⁾ , PLT ⁽¹³⁾ , PRN ⁽¹³⁾ , PRC	

Industrial Manufacturing / Automotive / Aerospace & Defense				
Vendor	Product / File Format	File Type	Extensions	Product Versions
Autodesk				
	AutoCAD ⁽¹⁾	Drawing, Drawing Exchange	DWG, DXF ⁽²⁾⁽³⁾	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000, 14, 13c4, 13c3, 13c2, 13c1, 12
	AutoCAD Mechanical 2-D	Drawing	DWG	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)
	Autodesk Mechanical Desktop 2-D	Drawing	DWG	2009, 2008, 2007, 2006, 2005, 2004 DX, 2004, 6(2002), 5(2000i), 4(2000)
	Autodesk Inventor	Drawing	IDW	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
	Autodesk Inventor	Drawing	DWG	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
	Autodesk Inventor	Part, Assembly	IPT, IAM	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
Bentley Systems				
	MicroStation Drawing	Drawing	DGN	8i, 8XM, 8.5, 8.1, 8, J, SE, 95, 5, 4
	MicroStation Modeler	Drawing	DGN	7.1, J, 7.0, PE, 95
Dassault Systems				
	CATIA V4	Model, Export, Assembly, Session	MODEL, EXP, SESSION	4R2.X, 4R1.X, 4.0
	CATIA V5	Part, Product, Drawing	3DXML, CATPart, CATShape, CATDrawing, CGR	5-6R2023, 5-6R2022, 5-6R2020 (R30), 5-6R2019 (R29), 5-6R2018 (R28), 5-6R2017 (R27), 5-6R2016 (R26), 5-6R2015 (R25), 5-6R2014 (R24), 5-6R2013 (R23), 5-6R2012 (R22), 5R21-5R17
	SOLIDWORKS	Drawing	SLDDRW	2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006
	SOLIDWORKS	Part, Assembly	SLDPRT, SLDASM	2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006

Industrial Manufacturing / Automotive / Aerospace & Defense (cont.)

Vendor	Product / File Format	File Type	Extensions	Product Versions
Parametric Technology Corporation				
Creo Parametric		Part, Assembly	PRT, XPR	9.0, 8.0, 7.0, 6.0, 5.0, 4.0, 3.0, 2.0, 1.0
Pro/ENGINEER		Part, Assembly	PRT, XPR	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire
Siemens PLM Software				
DirectModel		Part, Assembly	JT	10.5, 10.2, 10, 9.5, 9.4, 9.3, 9.2, 9.1, 8.1, 8, 7, 6.4
Solid Edge		Part, Assembly, Sheet Metal	PAR, PSM	2023, 2021, 2020, 2019, ST10, ST9, ST8, ST7, ST6, ST5, ST4, ST13, ST2, ST, 20, 19, 18
Unigraphics		Part, Assembly	PRT	NX 2212, NX 1953, NX 1847, NX 1872, NX12, NX11, NX10, NX9, NX8.5, NX8, NX7.5, NX7, NX6, NX5, NX4, NX3
Parasolid		Part, Assembly	X_T, X_B, XMT ^(†) , XMT_TXT ^(†) , XT ^(†)	up to version 35.1
Exchange Formats				
IGES		3-D	IGES, IGS	5.3, 5.2, 5.1
STEP		3-D	STP, STEP, STE ^(†) , P21	AP242, AP214, AP203 E1/E2
STL		Binary, Text	STL	1 1.0, 2.0

† Format support is provided through an exchange format.

‡ CATIA V4 2D has been de-supported. CATIA V4 3D will continue to be supported.

Electronics & High Tech

Vendor	Product / File Format	File Type	Extensions	Product Versions
Autodesk				
Autodesk Inventor		Drawing	IDW	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
Autodesk Inventor		Part, Assembly	IPT, IAM	2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 11, 10
Bentley Systems				
MicroStation Drawing		Drawing	DGN	8i, 8XM, 8.5, 8.1, 8, J, SE, 95, 5, 4
MicroStation Modeler		Drawing	DGN	7.1, J, 7.0, PE, 95
Dassault Systems				
CATIA V4		Model, Export, Assembly, Session	MODEL, EXP, SESSION	4R2.X, 4R1.X, 4.0
CATIA V5		Part, Product, Drawing	3DXML, CATPart, CATShape, CATDrawing, CGR	5-6R2023, 5-6R2022, 5-6R2020 (R30), 5-6R2019 (R29), 5-6R2018 (R28), 5-6R2017 (R27), 5-6R2016(R26), 5-6R2015 (R25), 5-6R2014 (R24), 5-6R2013 (R23), 5-6R2012 (R22), 5R21 to 5R17

Electronics & High Tech				
Vendor	Product / File Format	File Type	Extensions	Product Versions
SOLIDWORKS	Drawing	Drawing	SLDDRW	2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006
SOLIDWORKS	Part, Assembly	Part, Assembly	SLDPRT, SLDASM	2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006
Parametric Technology Corporation				
Creo Parametric	Part, Assembly	Part, Assembly	PRT, XPR	9.0, 8.0, 7.0, 6.0, 5.0, 4.0, 3.0, 2.0, 1.0
Pro/ENGINEER	Drawing	Drawing	DRW ⁽¹³⁾ , FRM ⁽¹³⁾ , PIC ⁽¹³⁾	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire
Pro/ENGINEER	Part, Assembly	Part, Assembly	PRT, XPR	WildFire 5.0, WildFire 4.0, WildFire 3.0, WildFire 2.0, WildFire
Siemens PLM Software				
DirectModel	Part, Assembly	Part, Assembly	JT	10.5, 10.2, 10, 9.5, 9.4, 9.3, 9.2, 9.1, 8.1, 8, 7, 6.4
Solid Edge	Part, Assembly, Sheet Metal	Part, Assembly, Sheet Metal	PAR, PSM	2023, 2021, 2020, 2019, ST10, ST9, ST8, ST7, ST6, ST5, ST4, ST3, ST2, ST, 20, 19, 18
Unigraphics	Part, Assembly	Part, Assembly	PRT	NX 2212, NX 1953, NX 1847, NX 1872, NX12, NX11, NX10, NX9, NX8.5, NX8, NX7.5, NX7, NX6, NX5, NX4, NX3
Parasolid	Part, Assembly	Part, Assembly	X_T, X_B, XMT ⁽¹³⁾ , XMT_TXT ⁽¹³⁾ , XT ⁽¹³⁾	up to version 35.1
Exchange Formats				
IGES	3-D	3-D	IGES, IGS	5.3, 5.2, 5.1
STEP	3-D	3-D	STPZ, STP, STEP, STE ⁽¹³⁾ , P21	AP242, AP214, AP203 E1/E2

† Format support is provided through an exchange format.

Desktop / Office				
Vendor	Product / File Format	File Type	Extensions	Product Versions
Adobe				
	PDF and PDF/A ⁽¹²⁾		PDF	DC 2015, XI (11), X (10), 9.0, 8.0 (1.7), 7.0(1.6), 6.0(1.5), 5.0(1.4)
Microsoft				
	Word ⁽⁴⁾⁽⁵⁾		DOC, DOCX	2021, 2019, 2016, 2013, 2010, 2007, 2003, 2000, 97, 95, 7, 6
	Excel		XLS, XLSX	2021, 2019, 2016, 2013, 2010, 2007, 2003
	PowerPoint		PPT, PPTX	2019, 2016, 2013, 2010, 2007, 2003
	Rich Text Format ⁽⁴⁾⁽⁵⁾		RTF	1.5
Others				
	Plain Text ⁽⁶⁾		TXT	

Graphics				
Vendor	Product / File Format	File Type	Extensions	Product Versions
CompuServe Graphic	Exchange		RLE ⁽¹³⁾	
	JPEG		JPEG, JPG	
	PNG ⁽⁹⁾		PNG	
	TIFF*		TIF, TIFF	
	GIF ⁽⁸⁾			
	Intergraph CIT		CIT	
	Windows Bitmap		BMP	

Others				
Vendor	Product / File Format	File Type	Extensions	Versions
	ZIP Archive ⁽¹¹⁾		ZIP	2.0, 2.1, 4.5, 4.6, 5.0, 5.2, 6.1, 6.2, 6.3.x
	Hypertext Markup Language		HTM, HTML	
	Virtual Reality Markup Language		VRML ⁽¹³⁾	
	Wavefront ⁽¹⁰⁾		OBJ	All versions
	JSON		.JSON	
	CSV		.TXT	Comma separated text
	TXT		.TXT	ASCII only at this time

Others				
Vendor	Product / File Format	File Type	Extensions	Versions
TechSoft3D	HOOPS Communicator		SCZ, SCS	2.0, 2.1, 4.5, 4.6, 5.0, 5.2, 6.1, 6.2, 6.3.x
TechSoft3D	HOOPS Stream File		HSF	
	GL Transmission Format [JSON]		GLTF	1.0, 2.0
	GL Transmission Format [Binary]		GLTB ⁽¹³⁾	1.0, 2.0
Autodesk Filmbox ⁽⁷⁾	Kaydara		FBX	
Raster Image Formats	[Many]		GIF ⁽⁸⁾ , RLE, JPG, JPEG, JPE, JFIF, JP2, JPX, PNG ⁽⁹⁾ , TIF, TIFF, BMP, CIT	

- (1): Currently does not include advanced vertical engineering disciplines AutoCAD ObjectARX objects
- (2): 2D currently has a few features that do not display: line-weights in Model space, custom shape fonts
- (3): 3D currently has some features that do not display: textures, complex organic surfaces, & exploding multiple solid bodies.
- (4): References & background images are not supported.
- (5): Background images are not supported.
- (6) ASCII only at this time.
- (7): Binary is not supported at this time.
- (8): No animation
- (9): Including transparency
- (10): With embedded materials yes; external materials reference no
- (11): Initial view is a document list; user can also view individual documents separately
- (12): PDF/A does not natively support images; PDF/E layers are not yet displayed
- (13): The Adept Viewer may display these file formats but they have not been verified by Synergis and are not actively supported. Please contact your Account Manager with questions on unsupported file formats.