

CRIBWARE TOOLVIEW SUPPORTED FILE FORMATS

The series of tables below shows the more than 450 file formats supported by the various levels of ToolView. The tables are organized by the following file formats: 2-D/3-D CAD and vector-based engineering, raster-based engineering, electronic design, vector graphics, hybrid engineering, raster and bitmap, fax, word processor, database, spreadsheet, messaging, and archived.

2-D/3-D CAD and Vector-Based Engineering Formats								
File Format	File Type	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Anvil		1000	DRW		✓	✓		✓
AutoCAD	Drawing, Drawing Exchange	2008, 2007, 2006, 2005, 2004, 2002, 2000i, 2000, 14, 13c4, 13c3, 13c2, 13c1, 12, 10, 9, 2.X	DWG, DXF		✓	✓		✓
AutoCAD	3-D	2008, 2007, 2006, 2005, 2004, 2002, 2000, 2000i	DWG		2-D	✓		✓
Autodesk DWF	Drawing, Web	6.20, 6.11, 6.01, 2004, 5.5, 5, 4.X, 3.X, 2.X	DWF		✓	✓		✓
AutoCAD	Sheet Sets		DST		✓	✓		✓
AutoCAD	Drawing, Binary Exchange		DXB		✓	✓		✓
AutoCAD	Slide, Slide Library		SLD, SLB		✓	✓		✓
AutoCAD Mechanical 2-D/Autodesk Mechanical Desktop 2-D	Drawing	2007, 2006, 2005, 2004 DX, 2004, 6 (2002), 5 (2000i), 4 (2000), 3, 2, 1.2	DWG		✓	✓		✓
AutoCAD Mechanical 3-D/Autodesk Mechanical Desktop 3-D	Part, Assembly	2007, 2006, 2005, 2004 DX, 2004, 6 (2002), 5 (2000i), 4 (2000)	DWG			✓		✓
Autodesk Inventor	Drawing	2008, 11, 10, 9, 8, 7, 6, 5.3, 5, 4	IDW			✓		✓
Autodesk Inventor	Part, Assembly	2008, 11, 10, 9, 8, 7, 6, 5.3, 5, 4, 3, 2, 1	IPT, IDV, IAM, IDE			✓		✓
Cadkey	Part File	19, 99, 98, 97, 7, 6, 5, 4.X, 3.X	PRT		✓	✓		✓
CALCOMP	PCI 906/907 Plot		PCI, PLT		✓	✓		✓
CATIA 4	Model, Export, Assembly, Session, Drawing	4R2.X, 4R1.X, 4.0	MODEL, EXP, ASM, SESSION			✓		✓
CATIA 5	Part, Product, Drawing	5R7 to 5R17	CGR, CATPart, CAT-Product, CATDrawing			✓		✓
CGM	Binary, ASCII (ClearText)	4, 3, 2, 1	CGM		✓	✓		✓
CGM - CALS compliant			CGM		✓	✓		✓
Generic CADD Drawing			CMP, DWG, GCD		✓	✓		✓
Hitachi CADCORE		5.0	DRW		✓	✓		✓
HPGL			HGL, HPG, PLT, PRN		✓	✓		✓
HPGL/2			HGL, HPG, PLT, PRN		✓	✓		✓
HP RTL			HGL, HPG, PLT, PRN		✓	✓		✓
ESRI Shapefile			CSHP, SHP, SHX		✓	✓		✓
IGES (2-D, 3-D)		5.3, 5.2, 5.1	IGES, IGS		2-D	✓		✓



2-D/3-D CAD and Vector-Based Engineering Formats (continued)

File Format	File Type	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
ME10/OneSpace Designer Drafting		2006 (14.00), 13.XX, 12.01, 11.65, 11.60, 11 (2002), 2000+, 10, 9, 8, 7, 6	MI, BI		✓	✓		✓
MicroStation Drawing	Drawing	8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4	CEL, DGN		✓	✓		✓
MicroStation Drawing	3-D	8 XM, 8.5, 8.1, 8, J, SE, 95, 5, 4	CEL, DGN		2-D	✓		✓
MicroStation Modeler	Drawing	7.1, J, 7.0, PE, 95	DGN		✓	✓		✓
MicroStation Modeler	3-D	7.1, J, 7.0	DGN		2-D	✓		✓
Parasolids	Binary, Text	18, 17.1, 17, 16, 15.1, 15, 14.1, 14, 13.2, 13, 12.1, 12, 11.1, 11	X_T, X_B			✓		✓
PointCloud 3-D			PTS, ASC			✓		✓
Pro/ENGINEER	Drawing	WildFire 3.0, WildFire 2.0, WildFire, 2001, 2000i2, 2000i, 20, 19, 18	DRW, FRM, PIC			✓		✓
Pro/ENGINEER	Part, Assembly	WildFire 3.0, WildFire 2.0, WildFire, 2001, 2000i2, 2000i, 20, 19, 18	PRT, ASM			✓		✓
SmartSketch	Drawing	5, 4	IGR		✓	✓		✓
SolidDesigner/OneSpace Designer Modeling	Part, Part Container	2006 (14.00), 13.XX, 12.XX, 11.XX, 9, 8.5, 2000+, 8, 7, 6	SDP, SDPC			✓		✓
SolidDesigner/OneSpace Designer Modeling	Assembly, Container	2006 (14.00), 13.XX, 12.XX, 11.XX, 9, 8.5, 2000+, 8, 7, 6	SDA, SDAC			✓		✓
SolidDesigner/OneSpace Designer Modeling	Package, Bundle	2006 (14.00), 13.XX, 12.XX, 11.XX, 9, 8.5, 2000+, 8, 7, 6	PKG, BDL			✓		✓
Solid Edge	Draft	19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6	DFT		✓	✓		✓
Solid Edge	Part, Assembly	19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6	PAR, ASM			✓		✓
SolidWorks	Drawing	2007, 2006, 2005, 2004, 2003, 2001+, 2001, 2000, 99, 98, 97	SLDDRW		✓	✓		✓
SolidWorks	Part, Assembly	2007, 2006, 2005, 2004, 2003, 2001+, 2001, 2000, 99, 98, 97	SLDPRT, SLDASM			✓		✓
SPATIAL ACIS	Binary, Text	7, 6, 5, 4, 3, 2.1, 2, 1.7, 1.6, 1.5, 1.4	SAB, SAT			✓		✓
STEP AP 203			STP, STEP, STE, P21			✓		✓
STEP AP 214			STP, STEP, STE, P21			✓		✓
STEP KOSDIC			STP, STEP, STE, P21			✓		✓
STL	Binary, Text		STL			✓		✓
Unigraphics	Draft	NX5, NX4, NX3, NX2, NX1, 18, 17, 16	PRT			✓		✓
Unigraphics	Part, Assembly	NX5, NX4, NX3, NX2, NX1, 18, 17, 16, 15, 14, 13	PRT			✓		✓
VDA-FS			VDA			✓		✓

Raster-Based Engineering Formats								
File Format	File Type	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
CALS Group IV	Type I, Type II (Tiled, Stripped)		CAL, CG4, MIL, ODA, MLR		✓	✓		✓
EDMICS					✓	✓		✓
GTX			DTX		✓	✓		✓
Hitachi			HRF		✓	✓		✓
Image Center			GP4		✓	✓		✓
Intergraph COT			CIT, COT, RGB, RLE, TG4		✓	✓		✓
JEDMICS			C4		✓	✓		✓
RLC File			RLC		✓	✓		✓
TIFF			TIF, TIFF	Desktop size*	✓	✓	Desktop size*	✓

* Desktop size TIFF—Maximum size 32,000 x 32,000 pixels

Electronic Design Formats								
File Format	File Type	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Altium Designer	PCB, 3-D	6.0 to 6.5	PCBDOC, PRJPCB, PRJFPG, PRJCOR				✓	✓
Altium Designer	Schematics	6.0 to 6.5	SCHDOC, PRJPCB, PRJFPG, PRJCOR				✓	✓
Altium Protel	PCB (Binary, ASCII), 3-D	2004, DXP, 99SE, 99, 98	PCB, DDB, PCBDOC, PRJPCB, PRJFPG, PRJCOR				✓	✓
Altium Protel	Schematics (Binary, ASCII)	2004, DXP, 99SE, 99, 98	SCH, DDB, SCHDOC, PRJPCB, PRJFPG, PRJCOR				✓	✓
Barco DPF	Artwork	5.0	DPF, DPL				✓	✓
Cadence Allegro Layouts/Drawings/Symbols/Padstacks	PCB, 3-D	15.0 to 15.7, 14.x, 13.x	BRD, DRA, MCM, SSM, PSM, BSM, OSM, FSM, PAD				✓	✓
Cadence Allegro Extract	PCB		AEW, TXT, TAR, GZ, ZIP				✓	✓
Cadence Allegro IPF	Artwork		PLT				✓	✓
Cadence Design Entry HDL	Schematics	15.x, 14.x	CPM, TAR, GZ, TGZ, ZIP				✓	✓
Cadence Specctra	PCB, 3-D	15.x, 14.x	DSN, CCT				✓	✓
Caltech Interchange Format CIF	Artwork	2.0	CIF				✓	✓
EDIF	Schematics	4, 3, 2	EDF, EDIF, EDN				✓	✓
GDS II	Artwork (Binary)	2	GDS, GDS2, CAL, STRM				✓	✓
GenCam	PCB, Schematics	1.5	GCM				✓	✓
Gerber Format	Artwork	RS274-D, RS274-X	GBL, GBR, PHO				✓	✓
IDF	PCB, 3-D	3.0, 2.0	EMN, EMP, BRD, LIB				✓	✓
IFF	Schematics	3.0	IFF				✓	✓
Mentor Board Station	PCB, 3-D	8.0 to 8.10	ATTR, TAR, GZ, TGZ, ZIP				✓	✓
Mentor Design Architect	Schematics	8.0 to 8.10	ATTR, TAR, GZ, TGZ, ZIP				✓	✓
Mentor DxDesigner	Schematics	2005, 2004, 2002	DPROJ, TAR, GZ, TGZ, ZIP				✓	✓
Mentor Expedition PCB	PCB, 3-D	2005, 2004.x, 2002	PRJ, PCB, TAR, GZ, TGZ, ZIP				✓	✓
Mentor Expedition Design Capture	Schematics	2005, 2004.x, 2002	PRJ, SBK, TAR, GZ, TGZ, ZIP				✓	✓
Mentor Neutral	PCB		NEU				✓	✓



Electronic Design Formats								
File Format	File Type	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Mentor PADS Layout	PCB 3-D	2005 Spac2 (Binary, ASCII), 2005 (Binary, ASCII), 5.0 (Binary, ASCII), 4.0 (ASCII)	ASC, PCB				✓	✓
Mentor PADS Logic	SCH	2005 Spac2 (Binary, ASCII), 2005 (Binary, ASCII), 5.1 (ASCII), 5.0 (Binary, ASCII), 4.0 (ASCII)	SCH, TXT				✓	✓
NC-Drill	Sieb Meyer Excellon		DRL, NCD				✓	✓
ODB++	PCB, 3-D	6.5, 5.3, 4.3	TAR, GZ, TGZ, ZIP				✓	✓
ODB++(X)	PCB, XML	1.x	XML, ODB				✓	✓
OrCAD Capture Design/Library	Schematics	15.7,10.x, 9.x, 7.2, 7.0	DSN, DBK, OLB				✓	✓
OrCAD Layout	PCB (Binary, ASCII), 3-D	15.7,10.x, 9.x, 7.2, 7.0	MIN, MAX				✓	✓
P-CAD Schematic	SCH (Binary, ASCII)	2004, 2002, 2001, 2000	SCH				✓	✓
P-CAD Layout	PCB (Binary, ASCII)	2004, 2002, 2001, 2000	PCB				✓	✓
PDIF	PCB	8.5, 7.0	PDF, PDIF				✓	✓
PDIF	Schematics	8.5, 7.0	PDF, PDIF				✓	✓
Zuken CADIF	PCB, 3-D	3.0 to 8.0	PAF				✓	✓
Zuken CADSTAR Schematic	Schematics	8.0, 7.0, 6.0, 5.0	SCM				✓	✓
Zuken CADSTAR Layout	PCB, 3-D	8.0, 7.0, 6.0, 5.0	PCB				✓	✓

Vector Graphics Formats							
File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Acrobat PDF	8.0 (1.7), 7.0 (1.6), 6.0 (1.5), 5.0 (1.4), 1.3, 1.2, 1.1, 1.0	PDF	✓	✓	✓	✓	✓
Amipro Graphics		SDW	✓	✓	✓	✓	✓
Corel Presentation Exchange	7.0, 6.0, 5.0	CMX	✓	✓	✓	✓	✓
Enhanced Metafile		EMF, EMZ (Compressed)	✓	✓	✓	✓	✓
Illustrator	10, 9	AI	✓	✓	✓	✓	✓
Lotus PIC File Image		PIC	✓	✓	✓	✓	✓
PCL	5	PCL, PRN	✓	✓	✓		✓
PowerPoint	2003, 2002, XP, 2000, 97, 95, 4.0, 3.X	PPT	✓	✓	✓	✓	✓
SVG	1.0	SVG, SVGZ	✓	✓	✓	✓	✓
VISIO	2003, 2002, 2000	VSD	✓	✓	✓	✓	✓
Windows Metafile	3	WMF	✓	✓	✓	✓	✓
WordPerfect Graphics	2, 1	WPG	✓	✓	✓	✓	✓



Hybrid Engineering Formats								
File Format	File Type	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
CAD Overlay		2000i, 2000, 14			✓	✓		✓
GTX			DWG, GP4, REF		✓	✓		✓
Hitachi Tracer			DWG, HRF		✓	✓		✓
Image Systems			DWG, GP4, RES, RLC		✓	✓		✓
Intergraph Hybrid			CIT, COT, DGN		✓	✓		✓
IRAS/B					✓	✓		✓
Softelec RasterDWG			DWG		✓	✓		✓

Raster & Bitmap Formats							
File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
AIIM MS53	GP III, GP IV	A11	✓	✓	✓	✓	✓
AMIGA	IFF/LBM File	IFF, LBM	✓	✓	✓	✓	✓
CompuServe GIF		GIF, RLE	✓	✓	✓	✓	✓
CorelDraw! Bitmap Preview	12.X, 11.X, 10.X, 9.X, 8.X, 7.X, 6.X, 5.X, 4.X, 3.X, 2.X	CDR	✓	✓	✓	✓	✓
CUT Raster		CUT	✓	✓	✓	✓	✓
Databeam		DBX	✓	✓	✓	✓	✓
Dr. Halo PIC		PIC	✓	✓	✓	✓	✓
GEM IMG Bitmap		IMG	✓	✓	✓	✓	✓
IBM IOCA/MODCA			✓	✓	✓	✓	✓
JPEG		JPEG, JPG	✓	✓	✓	✓	✓
JPEG2000		JP2, JPF, J2K, J2C, JPC, JPX	✓	✓	✓	✓	✓
MAC		MAC	✓	✓	✓	✓	✓
Neutral Raster File		NRF	✓	✓	✓	✓	✓
OS/2 1.1 Bitmap		BMP	✓	✓	✓	✓	✓
Paintbrush PCX		PCX	✓	✓	✓	✓	✓
PNG		PNG	✓	✓	✓	✓	✓
Portable Bitmap		PPM	✓	✓	✓	✓	✓
SUN Raster File		PR, RAS	✓	✓	✓	✓	✓
TARGA		TGA	✓	✓	✓	✓	✓
TIFF (Desktop Size)		TIF, TIFF	✓	✓	✓	✓	✓
Windows Bitmap		BMP	✓	✓	✓	✓	✓
Windows 3 Icon-Resource		ICO	✓	✓	✓	✓	✓
WordPerfect Graphics Bitmap		WPG	✓	✓	✓	✓	✓
X-Windows Dump		XWD	✓	✓	✓	✓	✓

Fax Formats							
File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Brooktrout			✓	✓	✓	✓	✓
Everfax	EF3, EF2		✓	✓	✓	✓	✓
Frecom			✓	✓	✓	✓	✓
Fujitso			✓	✓	✓	✓	✓
Gamma			✓	✓	✓	✓	✓
Generic-Fax			✓	✓	✓	✓	✓
Hybrid J-T			✓	✓	✓	✓	✓
Intel			✓	✓	✓	✓	✓
Net-Fax			✓	✓	✓	✓	✓
Product R&D Fax Modem			✓	✓	✓	✓	✓
Raw Group III			✓	✓	✓	✓	✓
Relisys			✓	✓	✓	✓	✓
Ricoh			✓	✓	✓	✓	✓
SciFax			✓	✓	✓	✓	✓
SmartFax			✓	✓	✓	✓	✓
Trigem			✓	✓	✓	✓	✓
WinFax Pro	4, 3		✓	✓	✓	✓	✓
Worldport			✓	✓	✓	✓	✓

Word Processor Formats							
File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Amipro Document	3, 2	SAM	✓	✓	✓	✓	✓
Amipro Style Sheet	3, 2	STY	✓	✓	✓	✓	✓
Microsoft Write		WRI	✓	✓	✓	✓	✓
Plain Text (ASCII, UTF-8, Unicode, Multibyte)		TXT	✓	✓	✓	✓	✓
Rich Text Format	1.X	RTF	✓	✓	✓	✓	✓
Word for DOS	6.0, 5.5, 5.0	DOC	✓	✓	✓	✓	✓
Word for Windows	2003, 2002, XP, 2000, 97, 95, 7, 6, 2.0	DOC	✓	✓	✓	✓	✓
WordPerfect	7, 6, 5.2, 5.1, 5.0	WPD	✓	✓	✓	✓	✓
WordStar	3.0, 2.0, 1.01D, 7.X, 6.X, 5.X, 4.X, 3.X, 2.X	WS	✓	✓	✓	✓	✓

Database Formats							
File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Access	2003, XP, 2000, 97, 95, 2.0, 1.1, 1.0	MDB	✓	✓	✓	✓	✓
Database Express	1.0	DBM, FRM, TDF	✓	✓	✓	✓	✓
Fox/Dbase	IV, III+, III, II	DBF	✓	✓	✓	✓	✓



Spreadsheet Formats

File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Excel	2003, 2002, XP, 2000, 97, 95, 5, 4, 3, 2.1	XLS, XLT, XLW	✓	✓	✓	✓	✓
Lotus 1-2-3 DOS, Mac, Unix, Windows	97, 9, 3.X, 2, 1.2, 1.1, 1.0, 1.A	123, WR3, WR1, WRK	✓	✓	✓	✓	✓
Lotus Symphony		WRK, WR1	✓	✓	✓	✓	✓
Quattro	1.X	WKQ, WK1	✓	✓	✓	✓	✓
Quattro Pro for DOS	4, 3, 2, 1	WKQ, WQ1	✓	✓	✓	✓	✓
Quattro Pro for Windows	7, 6, 5, 2, 1	WB3, WB2, WB1	✓	✓	✓	✓	✓
Symphony	2.0, 1.2, 1.1, 1.01, 1.0	WK4, WK3, WRK, WRL	✓	✓	✓	✓	✓

Messaging Formats

File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
Microsoft Outlook		MSG	✓	✓	✓	✓	✓

Archived Formats

File Format	Releases/Versions	Extension	AutoVue Office	AutoVue 2D Professional	AutoVue 3D Professional Advanced	AutoVue EDA Professional	AutoVue Electro-Mechanical Professional
LHARC Archive		LZH	✓	✓	✓	✓	✓
ZIP Archive		ZIP	✓	✓	✓	✓	✓