

SOLIDWORKS and SW PDM System Requirements

These requirements apply to all SOLIDWORKS products except where noted. Use this information to ensure you are always working with a SOLIDWORKS-supported and optimized system for hardware, operating system and Microsoft products.

SOLIDWORKS Products for Windows

	SOLIDWORKS 2017 (EDU 2017-2018)	SOLIDWORKS 2018 (EDU 2018-2019)	SOLIDWORKS 2019 (EDU 2019-2020)
Operating Systems			
Windows 10, 64-bit	✓	✓	✓
Windows 8.1, 64-bit	✓	✓	✗
Windows 7 SP1, 64-bit	✓	✓	✓ (End of life: SW2020 SP5)
Virtual environments	Supported virtual environments (hypervisors)		
Hardware			
Processor	3.3 GHz or higher		
RAM	16 GB or more PDM Contributor or Viewer: 8 GB or more PDM Web Client or Web Server: 8 GB or more ECC RAM recommended		
Graphics Card	Certified cards and drivers		
Drives	SSD drives recommended for optimal performance		
Disk Space	PDM Contributor or Viewer: 10 GB or more PDM Web Client or Web Server: 5 GB or more PDM Archive Server or Database Server: 50 GB or more SOLIDWORKS Manage: 10 GB or more		

	SOLIDWORKS 2017 (EDU 2017-2018)	SOLIDWORKS 2018 (EDU 2018-2019)	SOLIDWORKS 2019 (EDU 2019-2020)
Software			
Microsoft Excel and Word	2010, 2013, 2016	2010, 2013, 2016	2013, 2016, 2019 (SW2019 SP2)
Browsers (PDM Web2 Client)	Microsoft Internet Explorer, Microsoft Edge, Google Chrome, Mozilla Firefox, Apple Safari		
Antivirus	Antivirus products		

eDrawings for Mac

Operating Systems	eDrawings 2017	eDrawings 2018	eDrawings 2019
macOS Mojave (10.14)	✗	✗	✓
macOS High Sierra (10.13)	✗	✗	✓
macOS Sierra (10.12)	✓	✓	✓
OS X El Capitan (10.11)	✓	✓	✗
OS X Yosemite (10.10)	✓	✓	✗

SOLIDWORKS Server Products

	SOLIDWORKS 2017	SOLIDWORKS 2018	SOLIDWORKS 2019
Operating Systems			
Windows Server 2016	✓ (2017 SP2)	✓	✓
Windows Server 2012 R2	✓	✓	✓

	SOLIDWORKS 2017	SOLIDWORKS 2018	SOLIDWORKS 2019
Windows Server 2012	✓	✓	✗
Windows Server 2008 R2, SP1	✓	✗	✗
SQL Server			
SQL 2017	✗	✓	✓
SQL 2016	✓	✓	✓
SQL 2014	✓	✓	✓
SQL 2012	✓	✓	✓

Microsoft Products (SOLIDWORKS 2017 - 2019)

Microsoft Products	Start of Life	End of Life ¹
Windows 10, 64-bit	2015 SP5	Active
Windows 8.1, 64-bit	2014 SP1	2018 SP5
Windows 7, 64-bit	2010 SP1	2020 SP5
Windows Server 2016	2017 SP2	Active
Windows Server 2012 R2	2014 SP3	2019 SP5
Windows Server 2012	2014 SP0	2018 SP5
Windows Server 2008 R2, SP1	2009	2017 SP5
SQL Server 2017	2018 SP0	Active
SQL Server 2016	2017 SP0	Active
SQL Server 2014	2015 SP0	2021 SP5
SQL Server 2012	2013 SP2	2019 SP5

Microsoft Products	Start of Life	End of Life ¹
SQL Server 2008 R2	2010 SP4	2017 SP5
IE 11	2014 SP3	Active
Excel, Word 2019 (64-bit recommended)	2019 SP2	Active
Excel, Word 2016 (64-bit recommended)	2016 SP3	Active
Excel, Word 2013	2013 SP4	2020 SP5
Excel, Word 2010	2010 SP5	2018 SP5

Microsoft Products (SOLIDWORKS 2016 and older)

[Click to expand/collapse](#)

Notes:

1. End Of Life (EOL) corresponds to the last SOLIDWORKS release where a Microsoft product is supported (This is synchronized with the [Microsoft Mainstream Support End Date](#)). SOLIDWORKS releases after the EOL are not supported for the said Microsoft product and SOLIDWORKS installation is blocked in the case of an operating system.
2. [SOLIDWORKS Product Support Lifecycle](#) defines the End Of Support for SOLIDWORKS versions.
3. SolidWorks recommends using the latest Microsoft Service Pack of Windows, Office and Internet Explorer.
4. SolidWorks supports each Windows 10 release for applicable SOLIDWORKS releases as long as it is still covered by *both* the [SOLIDWORKS Product Support Lifecycle](#) and [Microsoft Windows Lifecycle Fact Sheet](#).
5. SolidWorks recommends using a Windows Server operating system for all SOLIDWORKS server-based products.
6. Windows Server operating system support applies to Standard and Enterprise editions only.
7. Windows Home Editions and Windows To Go are not supported.
8. Microsoft Office 'Click-To-Run' feature is supported for SOLIDWORKS 2017 and later.
9. Apple Mac[®] based machines running Windows using Boot Camp are not supported.
10. SOLIDWORKS 2018 on Windows 8.1 and Windows Server 2012 R2 requires the [Microsoft April 2014 update](#)

11. It is *not* recommended to install any instances of other applications on the SOLIDWORKS PDM Archive or Database Server. For PDM Professional, it is recommended the Archive and Database servers are two separate, dedicated machines.
12. To ensure optimum performance, it is *not* recommended to install anti-virus software on the SOLIDWORKS PDM vault computer.
13. SolidWorks does not test or certify VPN (Virtual Private Network) solutions but provides best-effort support. Users may be directed to work directly with their VPN provider to resolve issues on a case-by-case basis.
14. Beginning with SOLIDWORKS 2020, DVD distribution media will only be provided on request. Please contact your Reseller.