

The logo features the AMD logo (a stylized 'A' with a triangle) to the left of the text. The text is stacked: 'AMD' in a small font, 'RADEON PRO' in a medium font, and 'Software' in a large, bold font. The background of the top section is a dark blue, abstract, leaf-like pattern.

AMD
RADEON PRO
Software

Radeon PRO Software for Enterprise 21.Q3

Release Notes

This document captures software
compatibility guidelines and known errata

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Overview

Radeon™ PRO Software for Enterprise is designed to deliver market-leading uptime and stability. Rigorous multi-wave testing and exhaustive ISV certifications help make this “the industry’s most stable driver”¹.

Built to help content creators make the best, every Enterprise Edition is designed to deliver more quality, performance, security, and simplicity.

Installing Radeon PRO Software

For detailed instructions on how to correctly install or uninstall Radeon™ PRO Software, please refer to the following KB articles:

- [How to Install Radeon PRO Software on a Windows Based System](#)
- [How to Uninstall Radeon PRO Software on a Windows Based System](#)

Supported OS Versions

- Microsoft Windows® 10 64-bit, version 21H1 (OS build 19043.1083) and 2004 (OS build 19041.1083)
- Microsoft Windows® Server 2019 64-bit, version 1809 (OS build 17763.1971)
- Microsoft Windows® Server 2016 64-bit, version 1607 (OS build 14393.4402)

Packaged Driver Version

Radeon PRO Software for Enterprise 21.Q3 installation package contains the following driver versions for Microsoft Windows® 10.

- WHQL Driver Packaging Version: 21.20.24
- Windows Store Version: 27.20.22024.8

Supported APIs

Radeon PRO Software for Enterprise 21.Q3 supports the following APIs:

- OpenGL 4.6
- OpenCL™ 2.1
- DirectX® 12.0
- Vulkan® 1.2

Highlights

- Significant performance improvements with selected applications
- AMD Radeon™ PRO Software for Enterprise 21.Q3 provides support for AMD Radeon PRO In-Viewport Image Boost.
- AMD Radeon™ PRO Software for Enterprise 21.Q3 provides support for Teradici Cloud Access Software.

Errata

Fixed Issues

- Display Arrangement functionality missing after quick Eyefinity setup.
- Model corruption in Autodesk Revit with Radeon PRO W6800 in realistic display mode.
- Stability issues with Dassault Systems SOLIDWORKS® running on mobile platforms with selected Radeon PRO GPUs.
- Driver uninstall issues with mixed display configurations.

Known Issues

- Primary display goes blank while disconnecting secondary display in Eyefinity setup on systems with different display resolutions on Radeon PRO VII.
- Color depth is locked to 6bpc for displays with custom resolution.

Day Zero ISV Certifications

Learn more about the certified combinations:

<https://www.amd.com/en/support/certified-drivers>

Feature Support Information

Support Notes

- AMD Driver is DCH Compliant.
- AMD Radeon™ PRO Software for Enterprise 21.Q3 provides “as-is” support for AMD Radeon Products.
- This driver is not intended for use on Radeon™ products running in Apple Boot Camp platforms. Users of these platforms should contact their system manufacturer for driver support.
- When installing this driver for the Microsoft Windows operating systems, the user must be logged on as Administrator, or have Administrator rights to complete the installation of Radeon™ PRO Software for Enterprise 21.Q3.
- No support for 10-bit Packed Pixel, 10-bit Eyefinity, and MGPU Eyefinity.

Compatibility

AMD Radeon PRO Software for Enterprise 21.Q3 provides support for both AMD Radeon PRO and AMD Radeon Graphics Products. AMD Radeon Graphics Product support is limited and not tested for Enterprise Quality.

Professional Graphics Support

AMD Radeon PRO Software for Enterprise 21.Q3 is compatible with the AMD graphics products shown below.

AMD Radeon™ PRO Product and AMD FirePro™ Family Compatibility	
AMD Radeon™ PRO W series	AMD Radeon™ PRO W6800 AMD Radeon™ PRO W6600 AMD Radeon™ PRO W5700 AMD Radeon™ PRO W5500 AMD Radeon™ PRO W5500M AMD Radeon™ PRO W6600M
AMD Radeon™ PRO WX series	AMD Radeon™ PRO WX 9100 AMD Radeon™ PRO WX 8200 AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 5100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3200 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
AMD Radeon™ Vega Frontier Edition	AMD Radeon™ Vega Frontier Edition
AMD Radeon™ PRO series	AMD Radeon™ PRO SSG AMD Radeon™ PRO Duo AMD Radeon™ PRO VII
Dell Mobile	AMD Radeon™ PRO WX 7130 AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4150

	AMD Radeon™ PRO WX 4130 AMD Radeon™ PRO WX 3200 AMD Radeon™ PRO WX 2100
HP Mobile	AMD Radeon™ PRO WX 4170 AMD Radeon™ PRO WX 4150 AMD Radeon™ PRO WX3200 AMD Radeon™ PRO WX 3100
Panasonic Mobile	AMD Radeon™ PRO WX 4150

Workstation Platform Compatibility

The table below lists workstation platforms and their compatibility with AMD professional graphics products.

OEM Product compatibility	
Desktop Platforms	
Dell Precision 7920 Tower	AMD Radeon™ PRO WX 9100 AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 5100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
Dell Precision 7920 Rack	AMD Radeon™ PRO WX 9100 AMD Radeon™ PRO WX 5100 AMD Radeon™ PRO WX 4100
Dell Precision 7820 Tower	AMD Radeon™ PRO WX 9100 AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 5100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
Dell Precision 5820 Tower	AMD Radeon™ PRO WX 7100

	AMD Radeon™ PRO WX 5100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
Dell Precision 3630 Tower	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 5100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
Dell Precision 3930 Rack	AMD Radeon™ PRO WX 4100
Dell Precision 3430 Small Form Factor	AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
Dell Precision T3620 Mini Tower	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
Dell Precision T3420 Small Form Factor	AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
HP Z8 G4 Workstation	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
HP Z6 G4 Workstation	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
HP Z4 G4 Workstation	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100
HP Z2 G4 Workstation	AMD Radeon™ PRO WX 7100

	AMD Radeon™ PRO WX 3100
HP Z2 Small Form Factor G4 Workstation	AMD Radeon™ PRO WX 3100
HP Z840	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100
HP Z640	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100
HP Z240	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100
HP Z240 Small Form Factor	AMD Radeon™ PRO WX 4100

AMD Radeon™ Graphics Support

Starting in 19.Q2, AMD is including Radeon products in our Enterprise driver. This is being done in consideration of the fact that enterprises use both professional, commercial, and consumer hardware. This driver is recommended for Radeon hardware being used in commercial use cases with productivity applications. This includes users who need to review CAD data as part of their workflow. It is not recommended for gaming. Workstation performance, features, and application certifications do not apply to Radeon hardware and no end user benefit will be observed without Radeon PRO hardware.

AMD Radeon™ Product Family Compatibility	
AMD Radeon™ RX 5700 Series	Radeon™ RX 5500 Series Graphics
Radeon™ VII	Radeon RX Vega Series Graphics
AMD Radeon™ PRO Duo	AMD Radeon™ RX 500 / Radeon 500X Series Graphics
AMD Radeon™ RX 400 Series Graphics	

AMD Radeon™ Mobile Product Family Compatibility	
AMD Radeon™ RX 5500M Series Graphics	AMD Radeon™ RX 5300M Series Graphics
AMD Radeon™ 600 Series Graphics	AMD Radeon™ R7 M400 Series Graphics

The table below shows the list of OEM Platforms and their compatibility with the available AMD Radeon™ graphics products:

OEM Product compatibility	
Desktop Towers	
Dell OptiPlex 7000	AMD Radeon™ RX 550
HP Elite Desk 800/700 Series	AMD Radeon™ RX 580 AMD Radeon™ RX 550 AMD Radeon™ R7 430
HP Elite Desk Mini	AMD Radeon™ RX 560
HP Pro Desk 600 Series	AMD Radeon™ RX 580 AMD Radeon™ RX 550 AMD Radeon™ R7 430
HP Entry Level Platforms	AMD Radeon™ R7 430
Mobile Platforms	
Dell Vancouver 15" NB (Mobile) Dell Whitetail 15" NB with Ryzen PRO(Mobile)	AMD Radeon™ RX 540
Dell Whitehaven MLK 17" Precision 7740	AMD Radeon™ PRO WX 7130 AMD Radeon™ PRO WX 3200

Dell Precision 7540	AMD Radeon™ PRO WX 3200
Dell Precision 3540	AMD Radeon™ PRO WX 2100
HP Elite Book 800 Series HP Elite Book 600 Series	AMD Radeon™ RX 540
Panasonic Toughbook CF-54	AMD Radeon™ PRO WX4150
Panasonic Toughbook FZ-55	AMD Radeon™ PRO WX4150

Known issues – Dell Mobile Platforms

- HDR option is missing from display settings when the display is connected to Dell Thunderbolt™ Dock WD19TB's HDMI port
- External display corruption observed after system wake if display mode is set to external only
- Compatibility issues with USB type C to DVI and MiniDP to DVI dongles

ALL in Ones	
HP Elite One	AMD Radeon™ RX 560
HP Entry Level Platforms	AMD Radeon™ 535

Compatible Operating Systems

AMD Radeon PRO Software for Enterprise 21.Q3 supports the following Microsoft Windows platforms:

- Microsoft Windows® 10 (64-bit version)
- Microsoft Windows® Server 2019 (64-bit version)
- Microsoft Windows® Server 2016 (64-bit version)

See below for details:

Desktop Workstation Graphics				
	Windows 10	Windows 7	Windows Server 2019	Windows Server 2016
	64-bit	64-bit	64-bit	64-bit
AMD Radeon™ PRO W5700	✓	-	✓	✓
AMD Radeon™ PRO W5500	✓	-	✓	✓
AMD Radeon™ PRO VII	✓	-	-	-
AMD Radeon™ PRO WX series*	✓	-	✓	✓
AMD Radeon™ PRO SSG	✓	-	✓	✓
AMD Radeon™ Vega Frontier Edition	✓	-	✓	✓
AMD Radeon™ PRO Duo	✓	-	✓	✓

* - Radeon PRO WX3200 is not supported with Microsoft Windows® Server 2016

Dell Mobile Workstation Graphics		
	Windows 10	Windows 7
	64-bit	64-bit
AMD Radeon™ PRO WX7130	✓	-
AMD Radeon™ PRO WX7100	✓	-
AMD Radeon™ PRO WX4150	✓	-
AMD Radeon™ PRO WX4130	✓	-

HP Mobile Workstation Graphics		
	Windows 10	Windows 7
	64-bit	64-bit
AMD Radeon™ PRO WX4170	✓	-
AMD Radeon™ PRO WX4150	✓	-
AMD Radeon™ PRO WX3100	✓	-

HP Mobile Graphics				
	Windows 10	Windows 7	Windows Server 2019	Windows Server 2016
	64-bit	64-bit	64-bit	64-bit
	AMD Radeon™ series	✓	-	✓
AMD Radeon™ RX Vega series	✓	-	✓	✓
AMD Radeon™ RX series	✓	-	✓	✓
AMD Radeon™ + R series	✓	-	✓	✓

HP Mobile Graphics		
	Windows 10	Windows 7
	64-bit	64-bit
AMD Radeon™ RX 560	✓	-
AMD Radeon™ RX 540	✓	-
AMD Radeon™ 535	✓	-

Dell Commercial Mobile Graphics		
	Windows 10	Windows 7
	64-bit	64-bit
AMD Radeon™ RX 540	✓	-

AMD XConnect with Radeon™ ProRender

AMD XConnect with Radeon ProRender support now allows select applications to be accelerated by both internal and external AMD Radeon PRO GPUs simultaneously. AMD XConnect with Radeon ProRender is currently supported with the following professional graphics applications:

- Autodesk Maya
- Autodesk 3DS Max
- Blender
- Maxon Cinema 4D

Host platform	AMD External GPU	Supported / Not Supported
iGPU (Intel)	AMD Radeon™ PRO WX series (all)	✓
iGPU (Intel) + dGPU (Radeon™ PRO WX series)	AMD Radeon™ PRO WX series (all)	✓
iGPU (Intel) +Radeon PRO WX Vega M GL*(See Notes for more info)	AMD Radeon™ PRO WX series (all)	-
dGPU (Radeon™ PRO WX series)	AMD Radeon™ PRO WX series (all)	✓
iGPU (Intel) + dGPU (NVIDIA Quadro/GeForce)	AMD Radeon™ PRO WX series (all)	✓
iGPU (Intel) + dGPU (RX Radeon)	AMD Radeon™ PRO WX series (all)	-
dGPU (Radeon™ RX series)	AMD Radeon™ PRO WX series (all)	-
dGPU (NVIDIA Quadro)	AMD Radeon™ PRO WX series (all)	✓
dGPU (NVIDIA GeForce)	AMD Radeon™ PRO WX series (all)	✓
dGPU (Radeon™ PRO WX series)	AMD Radeon™ RX series (all)	-
iGPU (Intel) + dGPU (Radeon™ PRO WX series)	AMD Radeon™ RX series (all)	-

Other Hardware Requirements

- The only approved eGPU enclosure for Workstation XConnect using WX 9100 is **Sonnet eGFX Breakaway Box 650** (with 650W power supply)

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