Radeon PRO Software for Enterprise 21.Q2

Release Notes

This document captures software compatibility guidelines and known errata

DISCLAIMER

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AMD

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® 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.Q2 installation package contains the following driver versions for Microsoft Windows® 10.

- WHQL Driver Packaging Version: 21.09.04
- Windows Store Version: 27.20.20904.1

Supported APIs

Radeon PRO Software for Enterprise 21.Q2 supports the following APIs:

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

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Errata

Fixed Issues

- Displays not functioning properly after driver uninstall on multiple display configuration systems.
- Possible image corruption in Autodesk Revit application on Radeon PRO W6800 graphics card.

Known Issues

- Possible driver installation failures with multiple Radeon PRO WX7100 graphics cards.
- Radeon PRO software not launching after a long system idle time.

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.Q2 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.Q2.
- No support for 10-bit Packed Pixel, 10-bit Eyefinity, and MGPU Eyefinity.

Compatibility

AMD Radeon PRO Software for Enterprise 21.Q2 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.Q2 is compatible with the AMD graphics products shown below.

AMD Radeon™ PRO Product and AMD FirePro™ Family Compatibility	
AMD FirePro™ W series	AMD FirePro™ W9100 AMD FirePro™ W9000 AMD FirePro™ W8100 AMD FirePro™ W8000 AMD FirePro™ W7100 AMD FirePro™ W7000 AMD FirePro™ W5100 AMD FirePro™ W5000 AMD FirePro™ W4300 AMD FirePro™ W4100 AMD FirePro™ W2100 AMD FirePro™ W600
Dell Mobile	AMD FirePro™ W7170M AMD FirePro™ W5170M AMD FirePro™ W5130M AMD FirePro™ W4170M AMD FirePro™ M6100 AMD FirePro™ M6000 AMD FirePro™ M5100 AMD FirePro™ M4000
HP Mobile	AMD FirePro™ W6150M AMD FirePro™ W5170M AMD FirePro™ W4190M
Panasonic Mobile	AMD FirePro™ M5100

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 Rack	AMD FirePro™ W9100
Dell Precision T3620 Mini Tower	AMD FirePro™ W7100
HP Z8 G4 Workstation	AMD FirePro™ W2100
HP Z6 G4 Workstation	AMD FirePro™ W2100
HP Z4 G4 Workstation	AMD FirePro™ W2100
HP Z840	AMD FirePro™ W7100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
HP Z640	AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
HP Z440	AMD FirePro™ W7100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
HP Z240	AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
HP Z240 Small Form Factor	AMD FirePro™ W4300 AMD FirePro™ W2100

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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™ R9 Fury Series Graphics	AMD Radeon™ R7 200 Series Graphics
AMD Radeon™ R9 Nano Series Graphics	AMD Radeon™ R5 300 Series Graphics
AMD Radeon™ R9 300 Series Graphics	AMD Radeon™ R5 200 Series Graphics
AMD Radeon™ R9 200 Series Graphics	AMD Radeon™ HD 8500 - HD 8900 Series Graphics
AMD Radeon™ R7 300 Series Graphics	

AMD Radeon™ Mobile Product Family Compatibility	
AMD Radeon™ R9 M300 Series Graphics	AMD Radeon™ R7 M200 Series Graphics
AMD Radeon™ R7 M300 Series Graphics	AMD Radeon™ R5 M200 Series Graphics
AMD Radeon™ R5 M300 Series Graphics	AMD Radeon™ HD 8500M – HD 8900M Series Graphics
AMD Radeon™ R9 M200 Series Graphics	AMD Radeon™ HD 7700M – HD 7900M Series Graphics

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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 5000	AMD Radeon™ R5 240
Mobile Platforms	
Panasonic Toughpad FZ-Y1	AMD FirePro™ M5100
Panasonic Toughbook CF-54	AMD FirePro™ M5100

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

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Compatible Operating Systems

AMD Radeon PRO Software for Enterprise 21.Q2 supports the following Microsoft Windows platforms:
- 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	-	-	-	-
AMD FirePro™ W series	-	-	✓	✓

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	-	-
AMD FirePro™ W7170M	-	-
AMD FirePro™ W5170M	-	-
AMD FirePro™ W5130M	-	-
AMD FirePro™ W4170M	-	-
AMD FirePro™ M6100	-	-
AMD FirePro™ M6000	-	-
AMD FirePro™ M5100	-	-
AMD FirePro™ M4000	-	-

HP Mobile Workstation Graphics		
	Windows 10	Windows 7
	64-bit	64-bit
AMD Radeon™ PRO WX4170	-	-
AMD Radeon™ PRO WX4150	-	-
AMD Radeon™ PRO WX3100	-	-
AMD FirePro™ W6150M	-	-
AMD FirePro™ W5170M	-	-

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	-	-	✓	✓

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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)	-

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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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