

AMD
RADEON PRO
Software

Radeon PRO Software for Enterprise 21.Q1.1

Release Notes

This document captures software
compatibility guidelines and known errata

DISCLAIMER

The information contained herein is for informational purposes only and is subject to change without notice. While every precaution has been taken in the preparation of this document, it may contain technical inaccuracies, omissions, and typographical errors, and AMD is under no obligation to update or otherwise correct this information. Advanced Micro Devices, Inc. makes no representations or warranties with respect to the accuracy or completeness of the contents of this document, and assumes no liability of any kind, including the implied warranties of non-infringement, merchantability or fitness for particular purposes, with respect to the operation or use of AMD hardware, software or other products described herein. No license, including implied or arising by estoppel, to any intellectual property rights is granted by this document. Terms and limitations applicable to the purchase or use of AMD's products are as set forth in a signed agreement between the parties or in AMD's Standard Terms and Conditions of Sale.

©2020 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD arrow, FirePro, Radeon PRO, and combinations thereof are trademarks of Advanced Micro Devices, Inc. in the United States and/or other jurisdictions. Windows is a registered trademark of Microsoft Corporation in the United States and/or other jurisdictions. Other names are for informational purposes only and may be trademarks of their respective owners.

Table of Contents

- Overview..... 5
 - Installing Radeon PRO Software 5
 - Packaged Driver Version 5
 - Supported APIs 5
- Errata 6
 - Fixed Issues..... 6
 - Known Issues 6
- Day Zero ISV Certifications 6
- Feature Support Information 7
 - Support Notes..... 7
- Virtualized Desktop Infrastructure Notes..... 8
 - VDI Supported Configurations for VMware and Citrix 8
- Compatibility 8
 - Professional Graphics Support 8
 - Workstation Platform Compatibility..... 10
 - AMD Radeon™ Graphics Support 13
 - Known issues – Dell Mobile Platforms..... 15
 - Compatible Operating Systems 16
- AMD XConnect with Radeon™ ProRender 20
 - Other Hardware Requirements 21

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. Radeon™ PRO Software is certified in over 100 workstation applications including Autodesk AutoCAD®, Dassault Systèmes® SolidWorks®, Adobe® Premiere® Pro, Autodesk Maya and many more.

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](#)

Packaged Driver Version

Radeon PRO Software for Enterprise 21.Q1.1 installation package contains the following driver versions for Microsoft Windows® 10.

- WHQL Driver Packaging Version: 20.45.40
- Windows Store Version: 27.20.14540.3

Supported APIs

Radeon PRO Software for Enterprise 21.Q1.1 supports the following APIs:

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

Errata

Fixed Issues

- Image corruption in Chief Architect Premier application in some configurations.
- Image corruption and possible stability issues in Adobe Substance Painter using Radeon PRO W5700.

Known Issues

- Possible stability issues while disconnecting and re-connecting 8K display with Radeon PRO WX3100/WX3200.

Day Zero ISV Certifications

Learn more about the certified combinations:

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

Feature Support Information

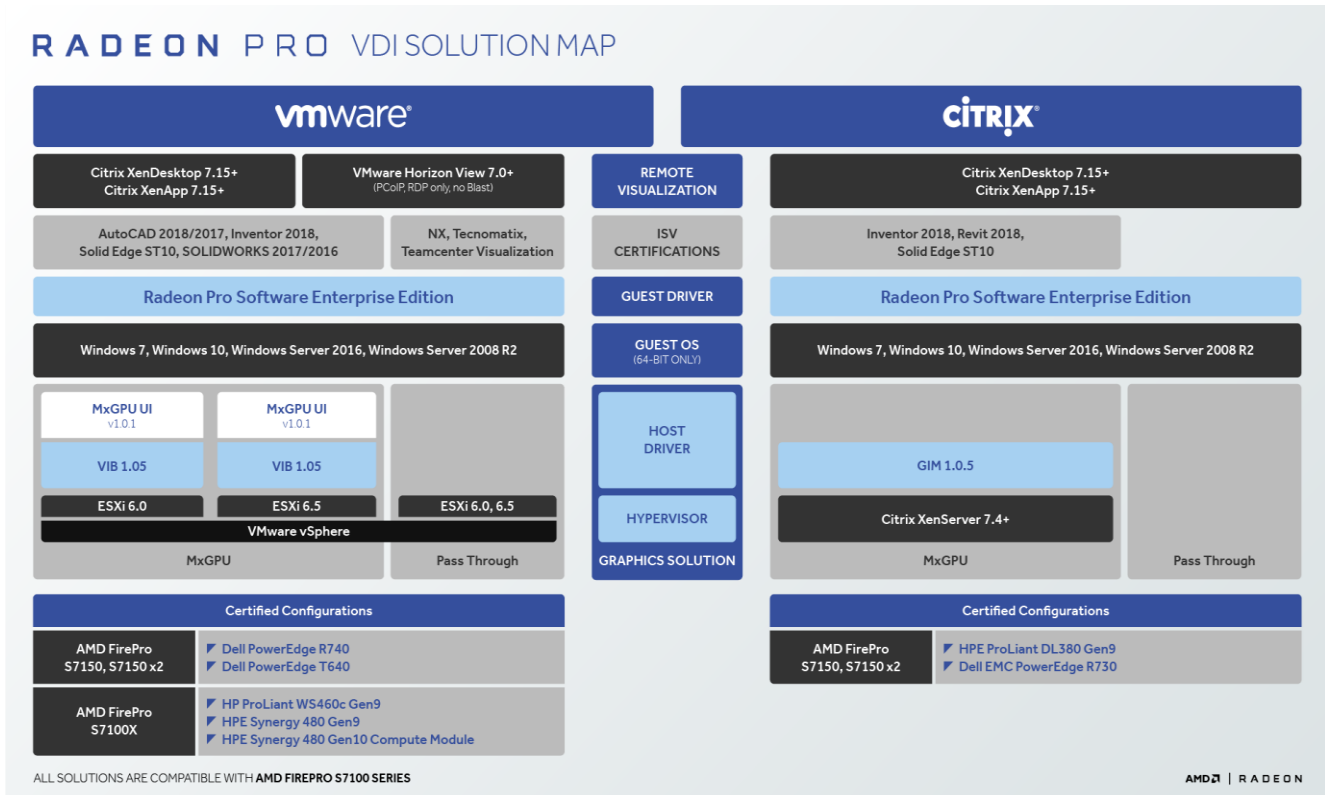
- Framelock/Genlock: In multiple platform configurations where more than one S400 Sync Module is in use, 4K resolutions at 60Hz and greater are not supported.

Support Notes

- AMD Driver is DCH Compliant.
- AMD Radeon™ PRO Software for Enterprise 21.Q1.1 provides “as-is” support for AMD Radeon Products.
- Driver Options feature is discontinued and will not be supported in 21.Q1.1 release. The latest Radeon™ Software Adrenalin Edition 2020 will now provide support for the latest Radeon™ PRO graphics series.
- 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.Q1.1.
- No support for 10-bit Packed Pixel, 10-bit Eyefinity, and MGPU Eyefinity.

Virtualized Desktop Infrastructure Notes

VDI Supported Configurations for VMware and Citrix



Compatibility

AMD Radeon PRO Software for Enterprise 21.Q1.1 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.Q1.1 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 W5700 AMD Radeon™ PRO W 5500
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 (“Polaris” & “Fiji”) AMD Radeon™ PRO VII
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 Radeon™ PRO WX 7130 AMD Radeon™ PRO WX7100 AMD Radeon™ PRO WX4150 AMD Radeon™ PRO WX4130 AMD Radeon™ PRO WX3200 AMD Radeon™ PRO WX2100 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 Radeon™ PRO WX4170 AMD Radeon™ PRO WX4150 AMD Radeon™ PRO WX3100 AMD FirePro™ W6150M AMD FirePro™ W5170M AMD FirePro™ W4190M
Panasonic Mobile	AMD Radeon™ PRO WX4150 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 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 AMD FirePro™ W9100
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 AMD FirePro™ W7100
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 AMD FirePro™ W2100
HP Z6 G4 Workstation	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100

	AMD FirePro™ W2100
HP Z4 G4 Workstation	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD Radeon™ PRO WX 3100 AMD Radeon™ PRO WX 2100 AMD FirePro™ W2100
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 AMD FirePro™ W7100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
HP Z640	AMD Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 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 Radeon™ PRO WX 7100 AMD Radeon™ PRO WX 4100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
HP Z240 Small Form Factor	AMD Radeon™ PRO WX 4100 AMD FirePro™ W4300 AMD FirePro™ W2100

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	AMD Radeon™ R9 Nano Series Graphics
Radeon™ RX 5500 Series Graphics	AMD Radeon™ R9 300 Series Graphics
Radeon™ VII	AMD Radeon™ R9 200 Series Graphics
Radeon RX Vega Series Graphics	AMD Radeon™ R7 300 Series Graphics
AMD Radeon™ PRO Duo	AMD Radeon™ R7 200 Series Graphics
AMD Radeon™ RX 500 / Radeon 500X Series Graphics	AMD Radeon™ R5 300 Series Graphics
AMD Radeon™ RX 400 Series Graphics	AMD Radeon™ R5 200 Series Graphics
AMD Radeon™ R9 Fury Series Graphics	AMD Radeon™ HD 8500 - HD 8900 Series Graphics

AMD Radeon™ Mobile Product Family Compatibility	
AMD Radeon™ RX 5500M Series Graphics	AMD Radeon™ R5 M300 Series Graphics
AMD Radeon™ RX 5300M Series Graphics	AMD Radeon™ R9 M200 Series Graphics
AMD Radeon™ 600 Series Graphics	AMD Radeon™ R7 M200 Series Graphics
AMD Radeon™ R7 M400 Series Graphics	AMD Radeon™ R5 M200 Series Graphics
AMD Radeon™ R9 M300 Series Graphics	AMD Radeon™ HD 8500M – HD 8900M Series Graphics
AMD Radeon™ R7 M300 Series Graphics	AMD Radeon™ HD 7700M – HD 7900M 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
Dell OptiPlex 5000	AMD Radeon™ R5 240
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 Toughpad FZ-Y1	AMD FirePro™ M5100
Panasonic Toughbook CF-54	AMD Radeon™ PRO WX4150 AMD FirePro™ M5100
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.Q1.1 supports the following Microsoft Windows platforms:

- Microsoft Windows® 10 (64-bit version)
- Microsoft Windows® 7 (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	✓	✓	✓	✓
AMD FirePro™ W series	✓	✓	✓	✓

* - 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	✓	✓
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	✓	✓	✓	✓

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)

*By clicking the "Download" button, you are confirming that you have read and agree to be bound by the [End User License Agreement](#). Your download will begin immediately after clicking on the "Download" button. If you do not agree to these terms and conditions, you do not have a license or permission to use and/or download the software.

The information contained herein is for informational purposes only and is subject to change without notice. While every precaution has been taken in the preparation of this document, it may contain technical inaccuracies, omissions, and typographical errors, and AMD is under no obligation to update or otherwise correct this information. Advanced Micro Devices, Inc. makes no representations or warranties with respect to the accuracy or completeness of the contents of this document, and assumes no liability of any kind, including the implied warranties of non-infringement, merchantability or fitness for particular purposes, with respect to the operation or use of AMD hardware, software or other products described herein. No license, including implied or arising by estoppel, to any intellectual property rights is granted by this document. Terms and limitations applicable to the purchase or use of AMD's products are as set forth in a signed agreement between the parties or in AMD's Standard Terms and Conditions of Sale.

©2020 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD arrow, FirePro, AMD Radeon PRO, AMD Radeon ProRender and combinations thereof are trademarks of Advanced Micro Devices, Inc. in the United States and/or other jurisdictions.