



AMD  
RADEON PRO  
Software

# Radeon Pro Software for Enterprise 20.Q1.1

## 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”<sup>1</sup>. 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 20.Q1.1 installation package contains the following driver versions for Microsoft Windows® 10 and Microsoft Windows® 7, Microsoft Windows® Server 2019 and Microsoft Windows® Server 2016.

- WHQL Driver Packaging Version: 19.40.01.39

## Supported APIs

Radeon Pro Software for Enterprise 20.Q1.1 is designed to support the following APIs:

- OpenGL 4.6
- OpenCL™ 2.0
- DirectX® 12.0
- Vulkan® 1.1

See [here](#) for more details.

# Errata

## Fixed Issues

- Possible image quality inconsistency in Foundry® Nuke® application when using blur effect.

## Day Zero ISV Certifications

Radeon Pro Software for Enterprise 20.Q1.1 received **243** Day Zero ISV Certifications.

Learn more about the certified combinations:

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

## Feature Support Information

- Settings Snapshot: New feature that allows to capture, import, export and share GPU configurations to assist with large scale set-up of professional graphics workstation.
- EDID management has moved from Radeon Pro Advanced Settings to Radeon Pro Settings, and can be located under Display tab.
- 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.
- Fan Control is available for changing fan speeds across different GPUs under the Global Tuning tab.
- Radeon ProRender now supports AMD XConnect allowing for rendering acceleration via both the internal and external GPUs.

## Support Notes

- AMD Driver is DCH Compliant.
- AMD Radeon™ Pro Software for Enterprise 20.Q1.1 and newer will have “as-is” support for AMD Radeon Products.
- Driver Options feature is discontinued and will not be supported in 20.Q1.1 release. The latest Radeon™ Software Adrenalin Edition 2019 will now provide support for the latest Radeon™ Pro graphics series. For more information, click [here](#).
- Multi-GPU SLS feature is not supported in 20.Q1.1 release.
- CrossFire feature and Serial Digital Interface (SDI) are not supported in 20.Q1.1 release.
- 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 20.Q1.1
- AMD Radeon™ Products supported in this release have not been tested for Enterprise Quality.
- AMD XConnect in this driver release does not support Vega M GL graphics.
- After Radeon™ Pro Software for Enterprise 20.Q1.1, Radeon™ Pro Software for Enterprise 20.Q2 will be the future support vehicle for AMD FirePro S7100 series products moving forward. Radeon™ Pro Software for Enterprise 20.Q3 and newer will not have support for AMD FirePro S7100 series products.

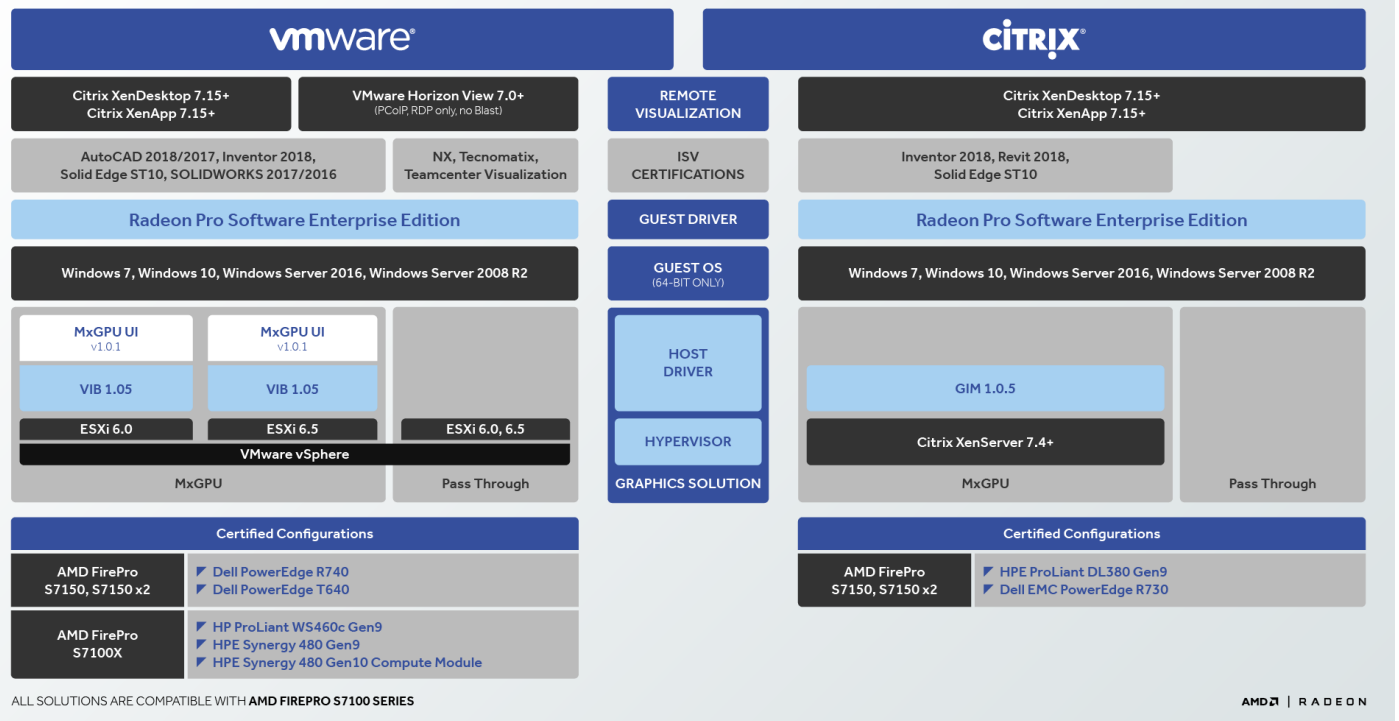
# Virtualized Desktop Infrastructure Notes

## VDI Suggested Configurations for AMD FirePro™ S7150x2

Per GPU Suggested Configurations for AMD FirePro™ S7150x2					
Use Case	vRAM	Users Per GPU	vCPU	RAM	Max Displays
Productivity	0.5 -1 GB	8-16	2	4 GB	1
Enhanced Productivity	2 GB	4	2	4-8 GB	2
Professional Design	4 GB	2	4	8 GB	4
Workstation	8 GB	1	8	16 GB	4

## VDI Supported Configurations for VMware and Citrix

### R A D E O N P R O VDI SOLUTION MAP



## Compatibility

AMD Radeon Pro Software for Enterprise 20.Q1.1 provides support for both AMD Radeon Pro and AMD Radeon Graphics Products. It should be noted that AMD Radeon Graphics Products are not tested for Enterprise Quality.

### Professional Graphics Support

AMD Radeon Pro Software for Enterprise 20.Q1.1 is compatible with the AMD graphics products shown below.

AMD Radeon™ Pro Product and AMD FirePro™ Family Compatibility	
<b>AMD Radeon™ Pro W series</b>	AMD Radeon™ Pro W5700 AMD Radeon™ Pro W 5500
<b>AMD Radeon™ Pro WX series</b>	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
<b>AMD Radeon™ Vega Frontier Edition</b>	AMD Radeon™ Vega Frontier Edition
<b>AMD Radeon™ Pro series</b>	AMD Radeon™ Pro SSG AMD Radeon™ Pro Duo (“Polaris” & “Fiji”)
<b>AMD FirePro™ W series</b>	AMD FirePro™ W9100 AMD FirePro™ W9000 AMD FirePro™ W8100 AMD FirePro™ W8000 AMD FirePro™ W7100 AMD FirePro™ W7000



	<p>AMD FirePro™ W5100  AMD FirePro™ W5000  AMD FirePro™ W4300  AMD FirePro™ W4100  AMD FirePro™ W2100  AMD FirePro™ W600</p>
<b>AMD FirePro™ S series</b>	<p>AMD FirePro™ S7150x2  AMD FirePro™ S7150  AMD FirePro™ S7100X  + all other AMD FirePro™ S series products</p>
<b>Dell Mobile</b>	<p>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</p>
<b>HP Mobile</b>	<p>AMD Radeon™ Pro WX4170  AMD Radeon™ Pro WX4150  AMD Radeon™ Pro WX3100  AMD FirePro™ W6150M  AMD FirePro™ W5170M  AMD FirePro™ W4190M</p>
<b>Panasonic Mobile</b>	<p>AMD Radeon™ Pro WX4150  AMD FirePro™ M5100</p>

## Workstation Platform Compatibility

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

OEM Product compatibility	
Desktop Platforms	
<b>Dell Precision 7920 Tower</b>	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
<b>Dell Precision 7920 Rack</b>	AMD Radeon™ Pro WX 9100 AMD Radeon™ Pro WX 5100 AMD Radeon™ Pro WX 4100 AMD FirePro™ W9100
<b>Dell Precision 7820 Tower</b>	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
<b>Dell Precision 5820 Tower</b>	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
<b>Dell Precision 3630 Tower</b>	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

<b>Dell Precision 3930 Rack</b>	AMD Radeon™ Pro WX 4100
<b>Dell Precision 3430 Small Form Factor</b>	AMD Radeon™ Pro WX 4100 AMD Radeon™ Pro WX 3100 AMD Radeon™ Pro WX 2100
<b>Dell Precision T3620 Mini Tower</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD Radeon™ Pro WX 3100 AMD Radeon™ Pro WX 2100 AMD FirePro™ W7100
<b>Dell Precision T3420 Small Form Factor</b>	AMD Radeon™ Pro WX 4100 AMD Radeon™ Pro WX 3100 AMD Radeon™ Pro WX 2100
<b>HP Z8 G4 Workstation</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD Radeon™ Pro WX 3100 AMD Radeon™ Pro WX 2100 AMD FirePro™ W2100
<b>HP Z6 G4 Workstation</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD Radeon™ Pro WX 3100 AMD Radeon™ Pro WX 2100 AMD FirePro™ W2100
<b>HP Z4 G4 Workstation</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD Radeon™ Pro WX 3100 AMD Radeon™ Pro WX 2100 AMD FirePro™ W2100
<b>HP Z2 G4 Workstation</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 3100
<b>HP Z2 Small Form Factor G4 Workstation</b>	AMD Radeon™ Pro WX 3100
<b>HP Z840</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD FirePro™ W7100

	AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
<b>HP Z640</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
<b>HP Z440</b>	AMD FirePro™ W7100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
<b>HP Z240</b>	AMD Radeon™ Pro WX 7100 AMD Radeon™ Pro WX 4100 AMD FirePro™ W5100 AMD FirePro™ W4300 AMD FirePro™ W2100
<b>HP Z240 Small Form Factor</b>	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

<b>AMD Radeon™ RX 5700 Series</b>	<b>AMD Radeon™ R9 Nano Series Graphics</b>
<b>Radeon™ RX 5500 Series Graphics</b>	<b>AMD Radeon™ R9 300 Series Graphics</b>
<b>Radeon™ VII</b>	<b>AMD Radeon™ R9 200 Series Graphics</b>
<b>Radeon RX Vega Series Graphics</b>	<b>AMD Radeon™ R7 300 Series Graphics</b>
<b>AMD Radeon™ Pro Duo</b>	<b>AMD Radeon™ R7 200 Series Graphics</b>
<b>AMD Radeon™ RX 500 / Radeon 500X Series Graphics</b>	<b>AMD Radeon™ R5 300 Series Graphics</b>
<b>AMD Radeon™ RX 400 Series Graphics</b>	<b>AMD Radeon™ R5 200 Series Graphics</b>
<b>AMD Radeon™ R9 Fury Series Graphics</b>	<b>AMD Radeon™ HD 8500 - HD 8900 Series Graphics</b>
	<b>AMD Radeon™ HD 7700 - HD 7900 Series Graphics</b>

### AMD Radeon™ Mobile Product Family Compatibility

<b>AMD Radeon™ RX 5500M Series Graphics</b>	<b>AMD Radeon™ R5 M300 Series Graphics</b>
<b>AMD Radeon™ RX 5300M Series Graphics</b>	<b>AMD Radeon™ R9 M200 Series Graphics</b>
<b>AMD Radeon™ 600 Series Graphics</b>	<b>AMD Radeon™ R7 M200 Series Graphics</b>
<b>AMD Radeon™ R7 M400 Series Graphics</b>	<b>AMD Radeon™ R5 M200 Series Graphics</b>

<b>AMD Radeon™ R9 M300 Series Graphics</b>	<b>AMD Radeon™ HD 8500M – HD 8900M Series Graphics</b>
<b>AMD Radeon™ R7 M300 Series Graphics</b>	<b>AMD Radeon™ HD 7700M – HD 7900M Series Graphics</b>

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

<b>OEM Product compatibility</b>	
<b>Desktop Towers</b>	
<b>Dell OptiPlex 7000</b>	AMD Radeon™ RX 550
<b>Dell OptiPlex 5000</b>	AMD Radeon™ R5 240
<b>HP Elite Desk 800/700 Series</b>	AMD Radeon™ RX 580 AMD Radeon™ RX 550 AMD Radeon™ R7 430
<b>HP Elite Desk Mini</b>	AMD Radeon™ RX 560
<b>HP Pro Desk 600 Series</b>	AMD Radeon™ RX 580 AMD Radeon™ RX 550 AMD Radeon™ R7 430
<b>HP Entry Level Platforms</b>	AMD Radeon™ R7 430
<b>Mobile Platforms</b>	
<b>Dell Vancouver 15" NB (Mobile) Dell Whitetail 15" NB with Ryzen Pro(Mobile)</b>	AMD Radeon™ RX 540
<b>Dell Whitehaven MLK 17" Precision 7740</b>	AMD Radeon™ Pro WX 7130 AMD Radeon™ Pro WX 3200

<b>Dell Whitehaven MLK 15" Precision 7540</b>	AMD Radeon™ Pro WX 3200
<b>Dell Precision 3540</b>	AMD Radeon™ Pro WX 2100
<b>HP Elite Book 800 Series HP Elite Book 600 Series</b>	AMD Radeon™ RX 540
<b>Panasonic Toughpad FZ-Y1</b>	AMD FirePro™ M5100
<b>Panasonic Toughbook CF-54</b>	AMD Radeon™ Pro WX4150 AMD FirePro™ M5100
<b>Panasonic Toughbook FZ-55</b>	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

<b>ALL in Ones</b>	
<b>HP Elite One</b>	AMD Radeon™ RX 560
<b>HP Entry Level Platforms</b>	AMD Radeon™ 535

## Compatible Operating Systems

AMD Radeon Pro Software for Enterprise 20.Q1.1 is designed to support the following Microsoft Windows platforms:

- Microsoft Windows® 10 (64-bit version RS5)
- Microsoft Windows® 7 (64-bit version with SP1 or higher)
- Microsoft Windows® Server 2016 (64-bit version)
- Microsoft Windows® Server 2008 R2 (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
<b>AMD Radeon™ Pro W5700</b>	✓	✓	-	-
<b>AMD Radeon™ Pro W5500</b>	✓	✓	-	-
<b>AMD Radeon™ Pro WX series</b> (excludes AMD Radeon™ Pro WX 3200)	✓	✓	✓	✓
<b>AMD Radeon™ Pro WX 3200</b>	✓	-	✓	-
<b>AMD Radeon™ Pro SSG</b>	✓	-	✓	✓
<b>AMD Radeon™ Vega Frontier Edition</b>	✓	✓	-	-
<b>AMD Radeon™ Pro Duo</b>	✓	✓	✓	✓



<b>AMD FirePro™ W series</b>	✓	✓	✓	✓
<b>AMD FirePro™ S series</b> (excludes AMD FirePro™ S7100 series)	✓	✓	✓	✓
<b>AMD FirePro™ S7100 series</b>	✓	✓	-	✓

### Dell Mobile Workstation Graphics

	Windows 10	Windows 7
	64-bit	64-bit
<b>AMD Radeon™ Pro WX7130</b>	✓	-
<b>AMD Radeon™ Pro WX7100</b>	✓	✓
<b>AMD Radeon™ Pro WX4150</b>	✓	✓
<b>AMD Radeon™ Pro WX4130</b>	✓	✓
<b>AMD FirePro™ W7170M</b>	✓	✓
<b>AMD FirePro™ W5170M</b>	✓	✓
<b>AMD FirePro™ W5130M</b>	✓	✓
<b>AMD FirePro™ W4170M</b>	✓	✓
<b>AMD FirePro™ M6100</b>	✓	✓

<b>AMD FirePro™ M6000</b>	✓	✓
<b>AMD FirePro™ M5100</b>	✓	✓
<b>AMD FirePro™ M4000</b>	✓	✓

### HP Mobile Workstation Graphics

	Windows 10	Windows 7
	64-bit	64-bit
<b>AMD Radeon™ Pro WX4170</b>	✓	✓
<b>AMD Radeon™ Pro WX4150</b>	✓	✓
<b>AMD Radeon™ Pro WX3100</b>	✓	✓
<b>AMD FirePro™ W6150M</b>	✓	✓
<b>AMD FirePro™ W5170M</b>	✓	✓

### 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

<b>AMD Radeon™ RX 540</b>	✓	✓
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## 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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