

AMD RADEON™ PRO W6600M

Welcome to Exceptional Performance.



METICULOUSLY ENGINEERED FOR MOBILE PERFORMANCE

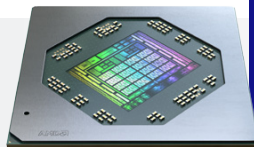
The AMD Radeon™ PRO W6600M graphics for Mobile Systems is powered by the same award winning AMD RDNA™ 2 architecture as found in the dedicated graphics cards of the Radeon PRO W6000 series. The powerful mobile graphics contain 8GB of high-performing GDDR6 dedicated memory, hardware raytracing, 32 MB of all new AMD Infinity Cache and is ready to support up to 5x demanding Ultra-HD HDR displays with truer colors.

The complete AMD Radeon PRO W6000 range of GPUs are meticulously engineered to deliver ultra-high viewport frame rates, dependability and serious performance for popular professional applications.

- 8GB GDDR6 Memory
- Hardware Raytracing Support
- Ready for Up To 5x Displays. 8K and HDR Support
- Accelerated Multitasking Performance
- PCIe® 4.0 Ready for Advanced Data Transfers
- Certified for Many ISV Applications

Power Efficient Performance

Engineered from the ground up, the AMD RDNA 2 architecture introduces significant GPU advancements in the form of an enhanced Compute Unit, new visual pipeline, and all new AMD Infinity Cache. AMD RDNA 2 architecture delivers improved performance per watt. This helps enable higher mobile system resolution performance together with vivid visuals, incorporating superior performance and power efficiency.



Affordable Realtime Hardware Raytracing

New to the AMD RDNA 2 Compute Unit is the implementation of a high-performance raytracing acceleration architecture known as Ray Accelerators. This specialized hardware handles the intersection of rays directly on the AMD Radeon PRO W6600M for accelerated hardware raytracing.

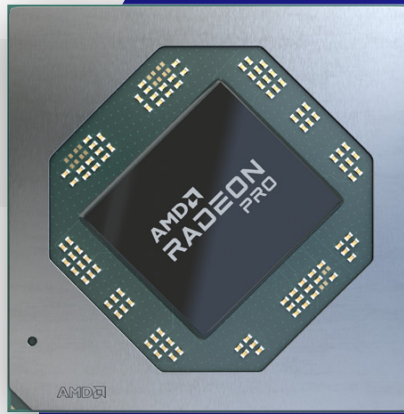


Learn more about VR capabilities of Radeon PRO Graphics at amd.com/PRO-VR

To learn more about exceptional performance, visit: amd.com/RadeonPRO

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PID#: 21802651-M



AMD
RADEON
PRO W6600M

GDDR6
8GB

Technical Specifications

| | |
|---|---|
| GPU Architecture | AMD RDNA 2 |
| Transistor Count | 11.06 Billion (7 nm Process) |
| Stream Processors | 1792 (28 Compute Units) |
| Hardware Raytracing | Yes (28 Ray Accelerators) |
| Peak FP16 Throughput (Half Precision) | 20.8 Teraflops of Compute Performance |
| Peak FP32 Throughput (Single Precision) | 10.4 Teraflops of Compute Performance |
| Infinity Cache (L3) | 32 MB Graphics Cache |
| Dedicated Graphics Memory | 8GB of High-Performance GDDR6 |
| Peak Memory Bandwidth | 224 GB per Second Transfer Speeds |
| PCI Express® Support | 4.0 Ready (x8) with 3.0 Backward Compatibility |
| Error Correcting Code (ECC) Support | No |
| Professional ISV Certification Support | Yes |
| AMD Secure Processor (ASP) | Yes |
| VR and Realtime Ready | Yes |
| Remote Workstation ¹ Ready | Yes |
| 8K UHD and HDR Display Support | Yes |
| 10-bit Color Ready for Truer Colors | Yes |
| Radeon PRO Viewport Boost Support | Yes |
| AMD EyefinityTechnology Ready ² | Yes |
| AV1 (AOMedia Video 1) Decode ³ Support | Yes |
| Video Acceleration ³ (HEVC / H265) | Yes - Encode and Decode |
| Display Connectors | Specific to Laptop Implementation. GPU Supports up to 5x Displays |
| Supported APIs | DirectX® 12 Ultimate OpenGL® 4.6 OpenCL™ 2.1 Vulkan™ 1.2 |
| Total Graphics Power (TGP) | 65 to 90 Watts of Power |
| GPU Form Factor | 237mm ² |
| Supported Operating Systems (64-bit) | Microsoft® Windows® 10 Linux® |

Specifications may vary with OEM or partner implementation.

¹ Learn more at www.amd.com/en/technologies/remote-workstation

² Learn more at www.amd.com/en/technologies/eyefinity-professionals

³ Video codec acceleration (including at least the HEVC (H.265), H.264, VP9, and AV1 codecs) is subject to and not operable without inclusion/installation of compatible media players. GD-176

Professional Graphics for Exceptional Performance with Reliability, Stability and Software Certifications at its Core.