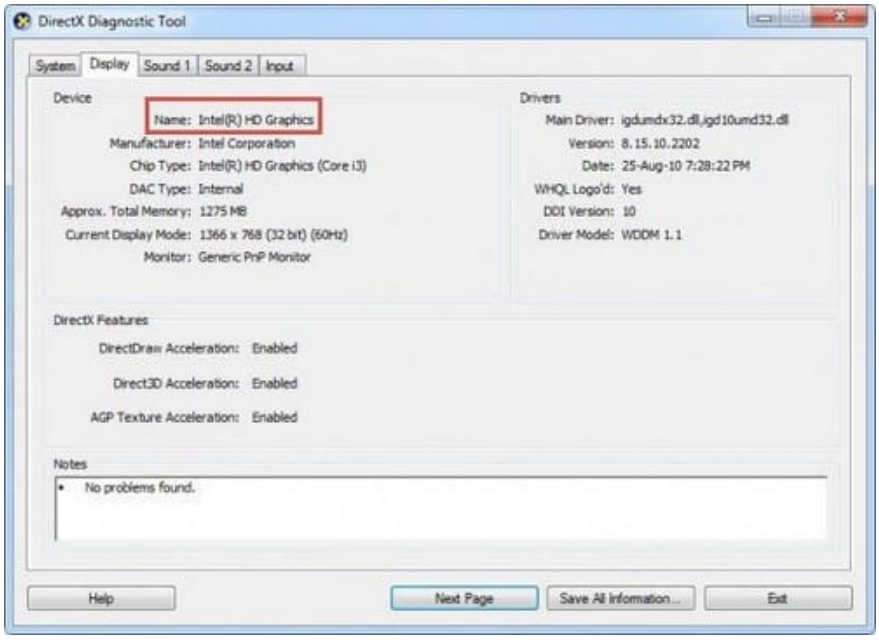
Check the graphics card, view the specifications, and perform a detailed performance test.

Want to check your graphics card to see specifications, evaluate performance, or find errors? Use DirectX Diagnostic Tool, GPU-Z, and other tools for accurate results.

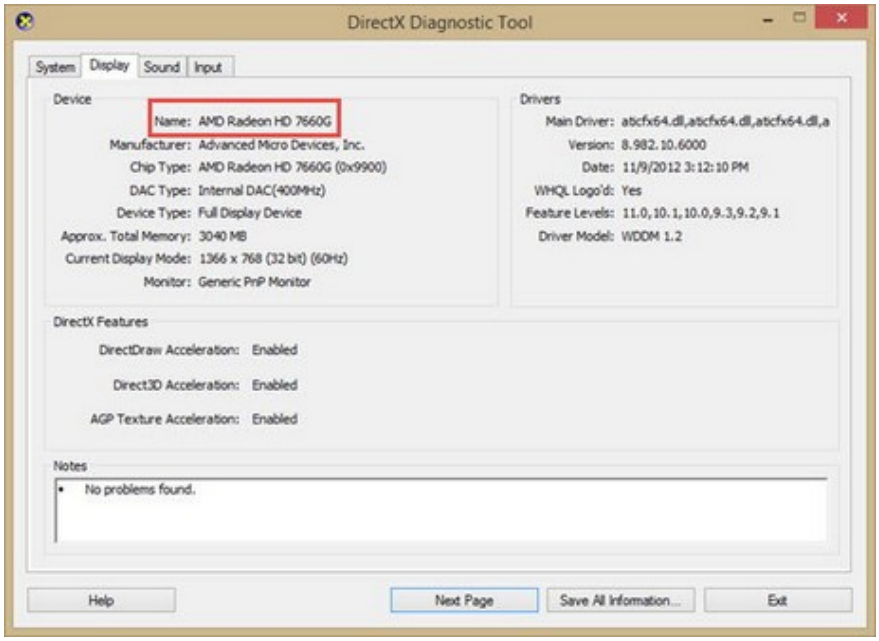
Checking your graphics card helps you understand your current GPU, its performance, and whether an upgrade is needed. Below are instructions on how to view specifications and test performance using the most accurate tools.

Method 1: Check using DirectX Diagnostic Tool

From your computer screen, press the **Windows key - R** and type **dxdiag.**



After the DirectX Diagnostic Tool program interface appears, switch to the **Display** tab . Typically, onboard graphics cards are manufactured by Intel.



Dedicated graphics cards are usually manufactured by ATI, AMD, or NVIDIA.

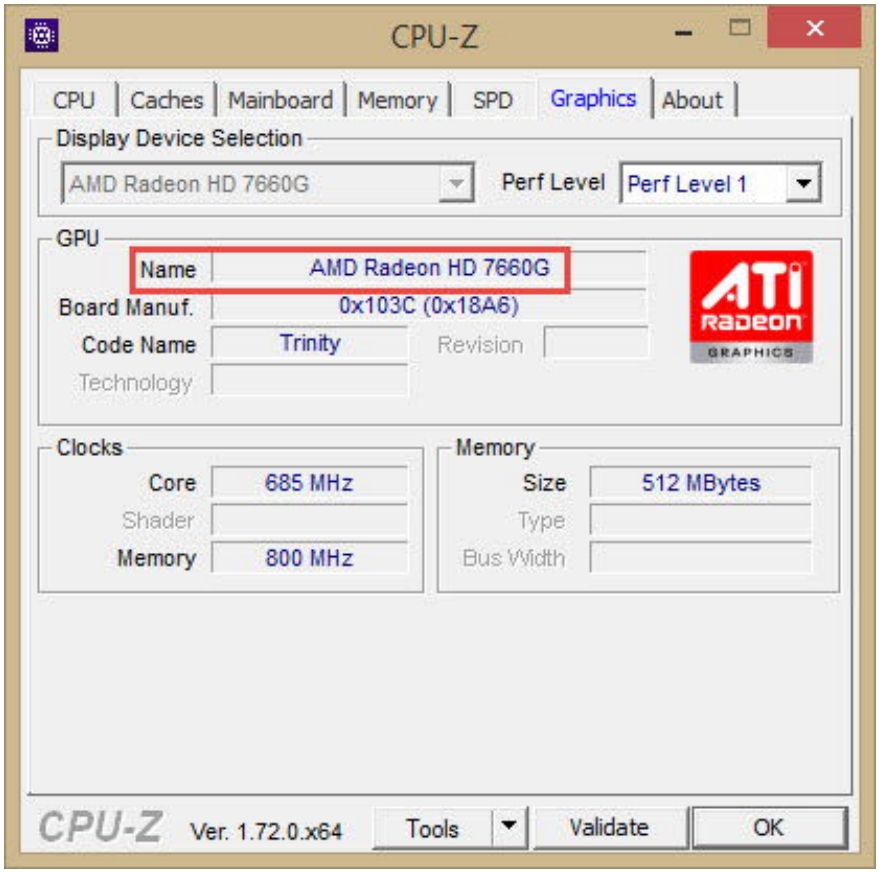
For some laptops with dual-card functionality (using two graphics cards in parallel), in most cases, the laptop will use the onboard card to save power. Only when performing demanding tasks such as Photoshop, gaming, or video editing will the system need a dedicated graphics card.

Method 2: Check using third-party software

Besides using built-in tools, you can install third-party software. The choice of software depends entirely on your needs. In this article, we use CPUz.

- Download link for **CPUz.**

After installing CPUz, open the program and switch to the **Graphics** tab . Here you can easily see the name of your graphics card and its specifications.



Method 3: Check on the laptop casing

Newer laptops typically print important specifications directly onto the casing, including the graphics card specifications. If your laptop has a dedicated graphics card, you'll definitely see the NVIDIA, ATI, or AMD logo.

Therefore, you can check whether your graphics card is dedicated or integrated using different methods to optimize your device's performance. After checking and determining whether you're using a VGA or Nvidia card, if the VGA card is outdated, you should upgrade it for better display performance. Additionally, consider removing the integrated graphics card if you want to use a dedicated graphics card.

You finished reading the article "**Check the graphics card, view the specifications, and perform a detailed performance test.**" edited by the **TipsMake** team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.
