

How to find hard disk sector size in Windows

Updated: 06/01/2025 by Computer Hope

A hard drive has many sectors. The size of those sectors can vary depending on how the drive is partitioned and configured. Customizing the sector size helps maximize storage space on the hard drive.

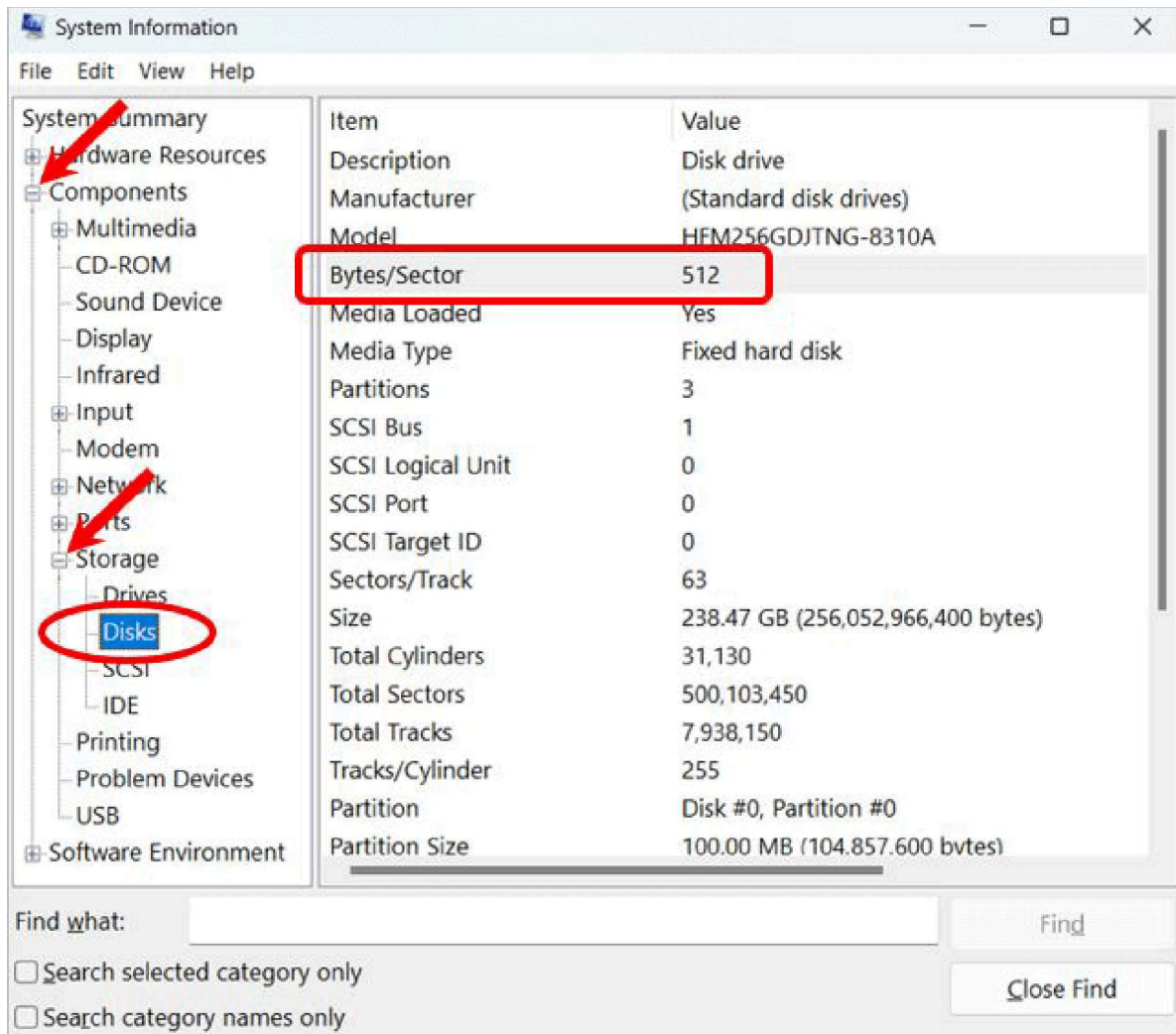


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To determine the size of sectors on your computer's hard drive, select an option from the list below and follow the instructions.

Find sector size using the System Information utility

1. Open the Windows System Information utility.
2. In the *System Information* window, in the left navigation menu, click the + (plus) symbol next to **Components**.
3. Click the + symbol next to **Storage**.
4. Click the **Disks** option under *Storage*.
5. Find the **Bytes/Sector** entry on the window's right side. The number next to that entry is the size of each sector on the hard drive.



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Find sector size using the fsutil command

1. Open the Windows command line with admin privileges.

Tip: When opening the Windows command line, select the **Run as administrator** option to get admin privileges in the command line.

2. In the command line window, type **fsutil fsinfo ntfsinfo <driver_letter>**, where **<driver_letter>** is the driver letter of the hard drive you want to view the sector size. For example, if your hard drive is the C: drive, you would type the following command.

```
fsutil fsinfo ntfsinfo c:
```

3. Press **Enter** to execute the fsutil command.
4. In the command output, locate the **Bytes Per Sector** entry, which displays the sector size for that hard drive.

```
C:\Windows\system32>fsutil fsinfo ntfsinfo c:
NTFS Volume Serial Number :
NTFS Version      :          3.1
LFS Version       :          2.0
Total Sectors     :          936,439,807 (446.5 GB)
Total Clusters   :          117,054,975 (446.5 GB)
Free Clusters    :           98,173,740 (374.5 GB)
Total Reserved Clusters :           959,006 ( 3.7 GB)
Reserved For Storage Reserve :           946,271 ( 3.6 GB)
Bytes Per Sector  :           512
Bytes Per Physical Sector :           512
Bytes Per Cluster :           4096
Bytes Per FileRecord Segment :          1024
Clusters Per FileRecord Segment :           0
Mft Valid Data Length :           857.25 MB
```

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Tip: You can also use the `fsutil fsinfo sectorinfo <driver_letter>` command to view sector size details for a hard drive. In that command output, the sector size is displayed as *LogicalBytesPerSector*. However, the *sectorinfo* output only displays sector information, whereas the *ntfsinfo* output displays additional information about the hard drive.

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