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Memory unit conversion

Memory units can be converted from one form to another using the following conversion factors:

1 bit = 0.125 bytes

1 byte = 8 bits

1 kilobyte (KB) = 1024 bytes

1 megabyte (MB) = 1024 kilobytes

1 gigabyte (GB) = 1024 megabytes

1 terabyte (TB) = 1024 gigabytes

1 petabyte (PB) = 1024 terabytes

1 exabyte (EB) = 1024 petabytes

For example, if you want to convert 1 gigabyte to megabytes, you can multiply 1 GB by 1024, which gives you 1024 MB. Similarly, if you want to convert 512 megabytes to gigabytes, you can divide 512 MB by 1024, which gives you 0.5 GB.

It's important to note that some storage devices, such as hard drives and flash drives, may have slightly less storage capacity than their advertised size due to formatting and other factors.



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