

Data Storage Conversion Table

Comprehensive Reference Guide

Convert between digital storage units - This table shows conversion factors between all data storage units.

How to use: Find your starting unit in the left column, then read across to find the conversion factor to your target unit.

From \ To	(b) Bit	(Mb) Megabit	(B) Byte	(KB) Kilobyte	(MB) Megabyte	(GB) Gigabyte	(TB) Terabyte
Bit (b)	1	1.0000e-6	0.1250	1.2500e-4	1.2500e-7	1.2500e-10	1.2500e-13
Megabit (Mb)	1.0000e+6	1	1.2500e+5	125.0	0.1250	1.2500e-4	1.2500e-7
Byte (B)	8.000	8.0000e-6	1	1.0000e-3	1.0000e-6	1.0000e-9	1.0000e-12
Kilobyte (KB)	8.0000e+3	0.008000	1.0000e+3	1	1.0000e-3	1.0000e-6	1.0000e-9
Megabyte (MB)	8.0000e+6	8.000	1.0000e+6	1.0000e+3	1	1.0000e-3	1.0000e-6
Gigabyte (GB)	8.0000e+9	8.0000e+3	1.0000e+9	1.0000e+6	1.0000e+3	1	1.0000e-3
Terabyte (TB)	8.0000e+12	8.0000e+6	1.0000e+12	1.0000e+9	1.0000e+6	1.0000e+3	1

Quick Reference - Common Conversions

- 1 Bit = 0.0000 Megabits
- 1 Megabit = 1000000.0000 Bits
- 1 Byte = 8.0000 Bits
- 1 Kilobyte = 8000.0000 Bits
- 1 Megabyte = 8000000.0000 Bits
- 1 Gigabyte = 8000000000.0000 Bits