

All units in data storage

Edit any value and every other unit updates instantly.

DECIMAL (SI) · 12 units		▲
kilobit kbit		0.001000
megabit Mbit		0.000001000
gigabit Gbit		0.000000001000
terabit Tbit		0.000000000001000
petabit Pbit		0.000000000000001000
exabit Ebit		0.00000000000000001000
kilobyte kB		0.0001250
megabyte MB	TO UNIT	0.0000001250
gigabyte GB		0.000000001250
terabyte TB		0.0000000000001250
petabyte PB		0.0000000000000001250
exabyte EB		0.000000000000000001250
BINARY (IEC) · 14 units		▲
bit bit	FROM	1.000
byte B		0.1250
kibibit Kibit		0.0009766

mebibit Mibit	0.0000009537
gibibit Gibit	0.000000009313
tebibit Tibit	0.000000000009095
pebibit Pibit	0.00000000000008882
exbibit Eibit	0.0000000000000008674
kibibyte KiB	0.0001221
mebibyte MiB	0.0000001192
gibibyte GiB	0.000000001164
tebibyte TiB	0.000000000001137
pebibyte PiB	0.000000000000001110
exbibyte EiB	0.00000000000000001084

Conversion table from bit to byte

BIT	BYTE
0	0
1.000	0.1250
2.000	0.2500
3.000	0.3750
4.000	0.5000
5.000	0.6250
6.000	0.7500
7.000	0.8750
8.000	1.000
9.000	1.125
BIT	BYTE
10.00	1.250
11.00	1.375
12.00	1.500
13.00	1.625
14.00	1.750
15.00	1.875
16.00	2.000
17.00	2.125
18.00	2.250
19.00	2.375

BIT	BYTE
20.00	2.500
21.00	2.625
22.00	2.750
23.00	2.875
24.00	3.000
25.00	3.125
26.00	3.250
27.00	3.375
28.00	3.500
29.00	3.625

Conversion table from bit to kilobyte

BIT	KILOBYTE
0	0
1.000	0.0001250
2.000	0.0002500
3.000	0.0003750
4.000	0.0005000
5.000	0.0006250
6.000	0.0007500
7.000	0.0008750
8.000	0.001000
9.000	0.001125
BIT	KILOBYTE
10.00	0.001250
11.00	0.001375
12.00	0.001500
13.00	0.001625
14.00	0.001750
15.00	0.001875
16.00	0.002000
17.00	0.002125
18.00	0.002250
19.00	0.002375

BIT	KILOBYTE
20.00	0.002500
21.00	0.002625
22.00	0.002750
23.00	0.002875
24.00	0.003000
25.00	0.003125
26.00	0.003250
27.00	0.003375
28.00	0.003500
29.00	0.003625

Conversion table from bit to gigabyte

BIT	GIGABYTE
0	0
1.000	0.0000000001250
2.000	0.0000000002500
3.000	0.0000000003750
4.000	0.0000000005000
5.000	0.0000000006250
6.000	0.0000000007500
7.000	0.0000000008750
8.000	0.000000001000
9.000	0.000000001125
BIT	GIGABYTE
10.00	0.000000001250
11.00	0.000000001375
12.00	0.000000001500
13.00	0.000000001625
14.00	0.000000001750
15.00	0.000000001875
16.00	0.000000002000
17.00	0.000000002125
18.00	0.000000002250
19.00	0.000000002375

BIT	GIGABYTE
20.00	0.000000002500
21.00	0.000000002625
22.00	0.000000002750
23.00	0.000000002875
24.00	0.000000003000
25.00	0.000000003125
26.00	0.000000003250
27.00	0.000000003375
28.00	0.000000003500
29.00	0.000000003625