

All units in data storage

Edit any value and every other unit updates instantly.

DECIMAL (SI) · 12 units		▲
kilobit kbit		1.024
megabit Mbit		0.001024
gigabit Gbit		0.000001024
terabit Tbit		0.000000001024
petabit Pbit		0.000000000001024
exabit Ebit		0.000000000000001024
kilobyte kB		0.1280
megabyte MB		0.0001280
gigabyte GB		0.0000001280
terabyte TB		0.0000000001280
petabyte PB		0.0000000000001280
exabyte EB		0.0000000000000001280
BINARY (IEC) · 14 units		▲
bit bit	TO UNIT	1 024
byte B		128.0
kibibit Kibit	FROM	1.000

mebibit Mibit	0.0009766
gibibit Gibit	0.0000009537
tebibit Tibit	0.0000000009313
pebibit Pibit	0.0000000000009095
exbibit Eibit	0.0000000000000008882
kibibyte KiB	0.1250
mebibyte MiB	0.0001221
gibibyte GiB	0.0000001192
tebibyte TiB	0.0000000001164
pebibyte PiB	0.0000000000001137
exbibyte EiB	0.0000000000000001110

Conversion table from kibibit to byte

KIBIBIT	BYTE
0	0
1.000	128.0
2.000	256.0
3.000	384.0
4.000	512.0
5.000	640.0
6.000	768.0
7.000	896.0
8.000	1 024
9.000	1 152
10.00	1 280
11.00	1 408
12.00	1 536
13.00	1 664
14.00	1 792
15.00	1 920
16.00	2 048
17.00	2 176
18.00	2 304
19.00	2 432
20.00	2 560
21.00	2 688

KIBIBIT	BYTE
22.00	2 816
23.00	2 944
24.00	3 072
25.00	3 200
26.00	3 328
27.00	3 456
28.00	3 584
29.00	3 712

Conversion table from kibibit to kilobyte

KIBIBIT	KILOBYTE
0	0
1.000	0.1280
2.000	0.2560
3.000	0.3840
4.000	0.5120
5.000	0.6400
6.000	0.7680
7.000	0.8960
8.000	1.024
9.000	1.152
10.00	1.280
11.00	1.408
12.00	1.536
13.00	1.664
14.00	1.792
15.00	1.920
16.00	2.048
17.00	2.176
18.00	2.304
19.00	2.432
20.00	2.560
21.00	2.688

KIBIBIT	KILOBYTE
22.00	2.816
23.00	2.944
24.00	3.072
25.00	3.200
26.00	3.328
27.00	3.456
28.00	3.584
29.00	3.712

Conversion table from kibibit to gigabyte

KIBIBIT	GIGABYTE
0	0
1.000	0.0000001280
2.000	0.0000002560
3.000	0.0000003840
4.000	0.0000005120
5.000	0.0000006400
6.000	0.0000007680
7.000	0.0000008960
8.000	0.000001024
9.000	0.000001152
10.00	0.000001280
11.00	0.000001408
12.00	0.000001536
13.00	0.000001664
14.00	0.000001792
15.00	0.000001920
16.00	0.000002048
17.00	0.000002176
18.00	0.000002304
19.00	0.000002432
20.00	0.000002560
21.00	0.000002688

KIBIBIT	GIGABYTE
22.00	0.000002816
23.00	0.000002944
24.00	0.000003072
25.00	0.000003200
26.00	0.000003328
27.00	0.000003456
28.00	0.000003584
29.00	0.000003712