

Byte, Kilobyte Quick Reference Chart

TERM	STANDARD	ABBREVIATION	DESCRIPTION	VALUE
bit	JEDEC & IEC	b	Represents a single unit of digital information that can be one of two values: 0 or 1 . The term "bit" is shorthand for binary digit .	1 b (can be 0 or 1)
byte	JEDEC & IEC	B	Generally consists of eight (8) bits of digital information as a block.	8 b
kilobyte ¹	JEDEC	KB	Consists of 1024 bytes of data as one block.	1024 B
kilobyte ²	METRIC	kB	Consists of 1000 bytes of data as one block.	1000 B
kibibyte	IEC	KiB	Consists of 1024 bytes of data as one block.	1024 B
megabyte ¹	JEDEC	MB	Consists of 1024 kilobytes of data as one block.	1024 KB
megabyte ²	METRIC	MB	Consists of 1000 kilobytes of data as one block.	1000 kB
mebibyte	IEC	MiB	Consists of 1024 kibibytes of data as one block.	1024 KiB
gigabyte ¹	JEDEC	GB	Consists of 1024 megabytes of data as one block.	1024 MB
gigabyte ²	METRIC	GB	Consists of 1000 megabytes of data as one block.	1000 MB
gibibyte	IEC	GiB	Consists of 1024 mebibytes of data as one block.	1024 MiB
terabyte ¹	JEDEC	TB	Consists of 1024 gigabytes of data as one block.	1024 GB
terabyte ²	METRIC	TB	Consists of 1000 gigabytes of data as one block.	1000 GB
tebibyte	IEC	TiB	Consists of 1024 gibibytes of data as one block.	1024 GiB
petabyte ¹	JEDEC	PB	Consists of 1024 terabytes of data as one block.	1024 TB
petabyte ²	METRIC	PB	Consists of 1000 terabytes of data as one block.	1000 TB
pebibyte	IEC	PiB	Consists of 1024 tebibytes of data as one block.	1024 TiB
exabyte ¹	JEDEC	EB	Consists of 1024 petabytes of data as one block.	1024 PB
exabyte ²	METRIC	EB	Consists of 1000 petabytes of data as one block.	1000 PB
exbibyte	IEC	EiB	Consists of 1024 pebibytes of data as one block.	1024 PiB
zettabyte ¹	JEDEC	ZB	Consists of 1024 exabytes of data as one block.	1024 EB
zettabyte ²	METRIC	ZB	Consists of 1000 exabytes of data as one block.	1000 EB
zebibyte	IEC	ZiB	Consists of 1024 exbibytes of data as one block.	1024 EiB
yottabyte ¹	JEDEC	YB	Consists of 1024 zettabytes of data as one block.	1024 ZB
yottabyte ²	METRIC	YB	Consists of 1000 zettabytes of data as one block.	1000 ZB
yobibyte	IEC	YiB	Consists of 1024 zebibytes of data as one block.	1024 ZiB

Bit, Kilobit Quick Reference Chart

TERM	STANDARD	ABBREVIATION	DESCRIPTION	VALUE
bit	JEDEC & IEC	b	Represents a single unit of digital information that can be one of two values: 0 or 1 . The term "bit" is shorthand for binary digit .	1 b (can be 0 or 1)
kilobit ¹	JEDEC	Kbit	Consists of 1024 bits of data as one block.	1024 b
kilobit ²	METRIC	kbit	Consists of 1000 bits of data as one block.	1000 b
kibibit	IEC	Kibit	Consists of 1024 bits of data as one block.	1024 b
megabit ¹	JEDEC	Mbit	Consists of 1024 kilobits of data as one block.	1024 Kbit
megabit ²	METRIC	Mbit	Consists of 1000 kilobits of data as one block.	1000 kbit
mebibit	IEC	Mibit	Consists of 1024 kibibits of data as one block.	1024 Kibit
gigabit ¹	JEDEC	Gbit	Consists of 1024 megabits of data as one block.	1024 Mbit
gigabit ²	METRIC	Gbit	Consists of 1000 megabits of data as one block.	1000 Mbit
gibibit	IEC	Gibit	Consists of 1024 mebibits of data as one block.	1024 Mibit
terabit ¹	JEDEC	Tbit	Consists of 1024 gigabits of data as one block.	1024 Gbit
terabit ²	METRIC	Tbit	Consists of 1000 gigabits of data as one block.	1000 Gbit
tebibit	IEC	Tibit	Consists of 1024 gibibits of data as one block.	1024 Gibit
petabit ¹	JEDEC	Pbit	Consists of 1024 terabits of data as one block.	1024 Tbit
petabit ²	METRIC	Pbit	Consists of 1000 terabits of data as one block.	1000 Tbit
pebibit	IEC	Pibit	Consists of 1024 tebibits of data as one block.	1024 Tibit
exabit ¹	JEDEC	Ebit	Consists of 1024 petabits of data as one block.	1024 Pbit
exabit ²	METRIC	Ebit	Consists of 1000 petabits of data as one block.	1000 Pbit
exbibit	IEC	Eibit	Consists of 1024 pebibits of data as one block.	1024 Pibit
zettabit ¹	JEDEC	Zbit	Consists of 1024 exabits of data as one block.	1024 Ebit
zettabit ²	METRIC	Zbit	Consists of 1000 exabits of data as one block.	1000 Ebit
zebibit	IEC	Zibit	Consists of 1024 exbibits of data as one block.	1024 Eibit
yottabit ¹	JEDEC	Ybit	Consists of 1024 zettabits of data as one block.	1024 Zbit
yottabit ²	METRIC	Ybit	Consists of 1000 zettabits of data as one block.	1000 Zbit
yobibit	IEC	Yibit	Consists of 1024 zebibits of data as one block.	1024 Zibit