

Data Types

Size	Constant Pseudo-Op	Bits	Description	Range
Byte (8 bits)	.DB		Character	all
			Signed Integer	-128 to +127
			Unsigned Integer	0 to 255
			Packed BCD	0 to 99
			Unpacked BCD	0 to 9
Word (16 bits)	.DW		Signed Integer	-32768 to +32767
			Unsigned Integer	0 to 65535
			16-bit Address	0 to FFFF ₁₆

Size	Constant Pseudo-Op	Bits	Description	Range
Double Word (32 bits)	.DD		Signed Integer	-2147483648 to +2147483647
			Unsigned Integer	0 to 4294967296
			Single Precision Floating Point	Exponent: ± 38 Precision: 6 digits
Quad Word (64 bits)	.DQ		Signed Integer	-9.2×10^{18} to $+9.2 \times 10^{18}$
			Unsigned Integer	0 to 1.84×10^{19}
			Double Precision Floating Point	Exponent: ± 308 Precision: 15 digits