

LWORD



Description

An operand of data type LWORD is a bit string of 64 bits.

The following table shows the properties of data type LWORD:

Length (bits)	Format	Value range	Examples of value input
64	Integers (decimal system)	Signed integers: -9_223_372_036_854_775_808 to +9_223_372_036_854_775_807 Unsigned integers: 0 to 18_446_744_073_709_551_615	<ul style="list-style-type: none"> • +26_123_590_360_715 • LWORD#+26_123_590_360_715 • LWORD#10#+26_123_590_360_715 • LW#+26_123_590_360_715
	Binary numbers	2#0 to 2#1111_1111_1111_1111_1111_1111_1111_1111_1111_1111_1111_1111_1111_1111_1111_1111	<ul style="list-style-type: none"> • 2#0000_0000_0000_0000_0000_0011_1110_0001_0010_1111_0101_0010_1101_1110_1000_1011 • LWORD#2#0000_0000_0000_0000_0000_0000_1011_1110_0001_0010_1111_0101_0010_1110_1000_1011 • LW#2#0000_0000_0000_0000_0000_0000_1011_1110_0001_0010_1111_0101_0010_1110_1000_1011
	Octal numbers	8#0 to 8#1_777_777_777_777_777_777_777_777_777_777_777_777_777_777_777	<ul style="list-style-type: none"> • 8#13_724_557_213 • LWORD#8#13_724_557_213 • LW#8#13_724_557_213
	Hexadecimal numbers	16#0000_0000 to 16#FFFF_FFFF_FFFF_FFFF	<ul style="list-style-type: none"> • 16#0000_0000_5F52_DE8B • LWORD#16#0000_0000_5F52_DE8B • LW#16#0000_0000_5F52_DE8B
	Decimal sequence	B#(0, 0, 0, 0, 0, 0, 0, 0) to B#(255, 255, 255, 255, 255, 255, 255, 255)	B#(127, 200, 127, 200, 127, 200, 127, 200)

Note

The LWORD data type cannot be compared for more than or less than. It can only be supplied with the same decimal data that can be processed by the LINT and ULINT data types.

The "Decimal sequence" is not possible in SCL and GRAPH.

See also

[Overview of the valid data types](#)

[**Overview of data type conversion \(S7-1500\)**](#)

[**Basics of constants**](#)

[**Implicit conversions \(S7-1500\)**](#)

[**Explicit conversions \(S7-1500\)**](#)

[**Data type conversion for S7-1200 \(S7-1200\)**](#)