



USINT (8-bit integers)

Description

An operand of data type USINT (Unsigned Short INT) has a length of 8 bits and contains unsigned numerical values:

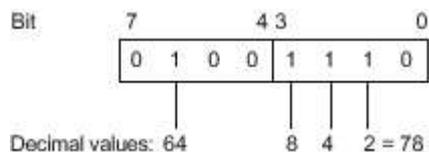
An operand of data type USINT occupies one BYTE in the memory.

The following table shows the properties of data type USINT:

Length (bits)	Format	Value range	Examples of value input
8	Unsigned integers (decimal system)	0 to 255	<ul style="list-style-type: none"> • 78 • USINT#78 • USINT#10#78
	Binary numbers	2#0 to 2#1111_1111	<ul style="list-style-type: none"> • 2#0100_1110 • USINT#2#0100_1110 • USINT#2#10
	Octal numbers	8#0 to 8#377	<ul style="list-style-type: none"> • 8#116 • USINT#8#116
	Hexadecimal numbers	16#0 to 16#FF	<ul style="list-style-type: none"> • 16#4E • USINT#16#4E

Example

The following figure shows the integer 78 as a binary number:



See also

[Overview of the valid data types](#)

[Basics of constants](#)

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