UINT (16-bit integers)

Description

An operand of data type UINT (Unsigned INT) has a length of 16 bits and contains unsigned numerical values.
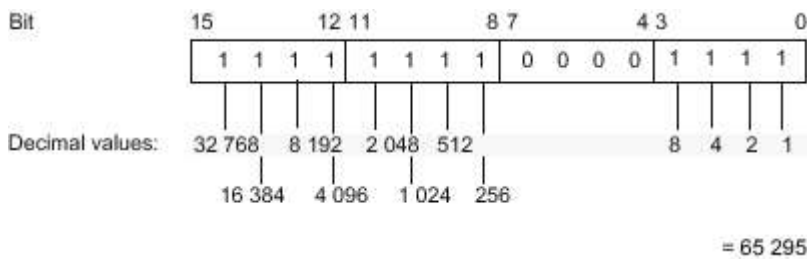
An operand of data type UINT occupies two BYTE in the memory.

The following table shows the properties of data type UINT:

Length (bits)	Format	Value range	Examples of value input
16	Unsigned integers (decimal system)	0 to 65_535	• 65_295 • UINT#65_295 • UINT#10#65_295
	Binary numbers	2#0 to 2#1111_1111_1111_1111	• 2#1111_1111_0000_1111 • UINT#2#1111_1111_0000_1111 • UINT#2#10
	Octal numbers	8#0 to 8#17_7777	• 8#17_7417 • UINT#8#17_7417
	Hexadecimal numbers	16#0 to 16#FFFF	• 16#FF0F • UINT#16#FF0F

Example

The following figure shows the integer 65295 as a binary number:

See also

[Overview of the valid data types](#)
[Basics of constants](#)
[Data type conversion for S7-1200 (S7-1200)](#)