

# Converting 16-bit unsigned binary data to 16-bit signed binary data

## UINT2INT(P)

FX5S FX5UJ FX5U FX5UC

These instructions convert the 16-bit unsigned binary data in the device specified by (s) to 16-bit signed binary data, and store the converted data in the device specified by (d).

Ladder diagram	Structured text <sup>*1</sup>
	ENO:=UINT2INT(EN,s,d); ENO:=UINT2INTP(EN,s,d);

FBD/LD

\*1 Supported by engineering tool version "1.035M" and later.

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### Setting data

#### ■ Descriptions, ranges, and data types

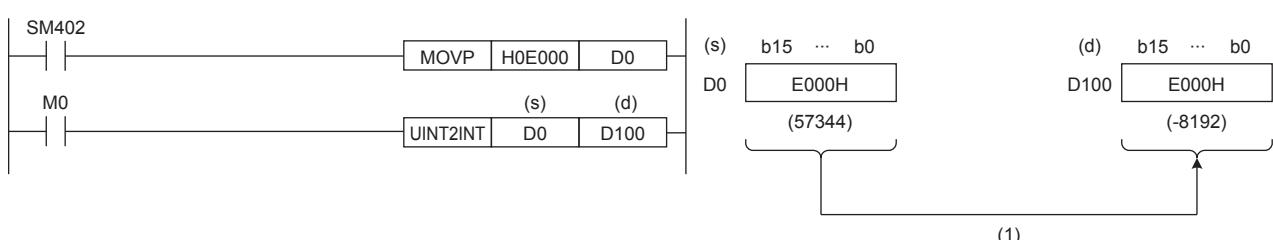
Operand	Description	Range	Data type	Data type (label)
(s)	Data before conversion	0 to 65535	16-bit unsigned binary	ANY16_U
(d)	Data after conversion	—	16-bit signed binary	ANY16_S
EN	Execution condition	—	Bit	BOOL
ENO	Execution result	—	Bit	BOOL

#### ■ Applicable devices

Operand	Bit	Word			Double word		Indirect specification	Constant			Others
	X, Y, M, L, SM, F, B, SB, S	T, ST, C, D, W, SD, SW, R	UD\G	Z	LC	LZ		K, H	E	\$	
(s)	○	○	○	○	—	—	○	○	—	—	—
(d)	○	○	○	○	—	—	○	—	—	—	—

### Processing details

- These instructions convert the 16-bit unsigned binary data in the device specified by (s) to 16-bit signed binary data, and store the converted data in the device specified by (d).



### Operation error

There is no operation error.