AsIOAccWrite()

This function block can be used to write non-cyclic registers (outputs **ONLY**).

When the function block is called from a cyclic task, it is executed asynchronously, the *status* output continues to return the value ERR_FUB_BUSY until the function block has finished being processed. During the execution, the function block should be called cyclically with *enable*=TRUE. Canceling the function block during this execution is not possible.

This function block can only be used conditionally for **redundancy**.
The applicable limitations are described in the following sections:

Hidden pointer usage
Asynchronous execution
Special error code on the inactive CPU

Additional information can be found in the "Redundancy" section.

Parameters

I/O	Parameter	Data type	Description
IN	enable	BOOL	Enables the function block
IN	pDeviceName	UDINT (given as a pointer to STRING)	Pointer to the device name [1]
IN	pChannelName	UDINT (given as a pointer to STRING)	Pointer to the channel name [1]
IN	value	UDINT	Value to be written
OUT	Status	UINT	Error number (0 = no error)

[1)] Do not change pointer or content of string while status is ERR_FUB_BUSY.

Call syntax (Automation Basic)

AsIOAccWrite (enable, adr(DeviceName), adr(ChannelName), value, status)

DeviceName parameter

The address of a string which clearly defines the I/O module used is entered for this input.

Format of the string:

[SL<x>].[SS<x>] .... For local I/O modules

[SL<x>].[SS<x>].[IF<x>].[ST<x>].[SL<x>].[SS<x>] .... for expansion, CAN, POWERLINK and X2X I/O modules

1. Description of the individual parameters for the *device* string
   - **SL** ... Slot number <x>. Possible slot numbers range from 0 (CPU slot) to 15 (final system bus slot).
   - **SS** ... If the interface module is inserted in an insert slot or subslot, the subslot number must be given (<x> = 1, 2 or 3).
   - **IF** ... Interface number <x>.
   - **ST** ... Station number <x> of the slave.
2. A period "." is used as the argument **separator**.
3. **Examples** of valid device descriptions:

DeviceName	Description
"SL3"	Local I/O module in slot 3
"SL3.SS1"	Local I/O module in slot 3, subslot 1
"SS1.ST5.SL1"	Interface card inserted in subslot 1 CAN or POWERLINK I/O module; station 5, slot 1
"SS2.ST4"	Interface card inserted in subslot 2 X2X I/O module; station 4

ChannelName parameter

- The ChannelName parameter is derived from the I/O mapping or I/O configuration. The "logical name" is used as the ChannelName.

  Examples of the ChannelName parameter:

ChannelName (logical name)	Description
"AsyncBusyErrorCount"	Number of faulty asynchronous frames
"AsyncFormatErrorCount"	Number of destroyed asynchronous frames

- It is also possible to directly specify a register number of the X2X I/O module in hexadecimal or decimal format. The default length and maximum length of a write access is 4 bytes. The length of a write access can be limited by specifying an IEC 61131 data type. This data type specification is separated from the register number specification by a colon (":").

  Examples with the default length of 4 bytes: "0x44e" "1102"

  Examples for limiting the length: "0x44e:BYTE" "1102:UINT"