

User Guide for Importing Controller Tag Descriptions

Product: AZ series EtherNet/IP Compatible driver

Controller: Rockwell Automation, Inc. L18 controller

Software: Studio 5000 V30.11 and V32.11



This document describes how to import descriptions for Ethernet/IP driver tags.

- (1) When building an actual system, check the specifications of each device and equipment that make up the system. For example, for safety reasons such as safety circuits that minimize the danger even if there is a failure.
- (2) In order to use the system safely, consult the operators manual and instruction manuals for each device and equipment that make up the system. Confirm the contents, including the warning and safety precaution manual.
- (3) Customers are responsible for confirming the standards/regulations that the system should comply with.
- (4) Copy or redistribute of part of all of this document without the permission of Oriental Motor Co., Ltd. is prohibited.
- (5) The information in this document is current as of April 2021. The contents of this document are subject to change without prior notice.
- (6) This document describes the procedure for adding controller tag descriptions for Orientalmotor's Ethernet/IP drivers. The details of the wiring method are not described. For details other than importing tag descriptions, refer to the instruction manual of the product or contact Oriental Motor.

■Applicable product

- Scanner : Controller1769-L18ERM-BB1B manufactured by Rockwell Automation, Inc.
- Adapter : AZ series EtherNet/IP compatible driver AZD-AEP / AZD-CEP / AZD-KEP
Driver with AZ series motor and motorized actuator equipped with AZ series, can be combined.

■ Preparation

Prepare users manuals which you can download from Orientalmotor web site.

⊖	-	Install EIP support software (MEXE02 v4)
⊕	HM-60372	AZ series EtherNet/IP Compatible driver



EtherNet/IP compatible
AZ driver

New Module

After creating a module for your AZD-AEP, AZD-CEP, or AZD-KEP driver in Studio5000 and downloading to the controller, go offline.

Ensure the Module Definition is set to INT (Integer).

Module Definition*

Revision: 1 001

Electronic Keying: Compatible Module

Connections:

Name	Input:	Output:	Size
Exclusive Owner	28	20	INT

OK Cancel Help

Refer to the “Add-On Instructions (AOI) User Guide for AZ Series” for information on creating a new module.

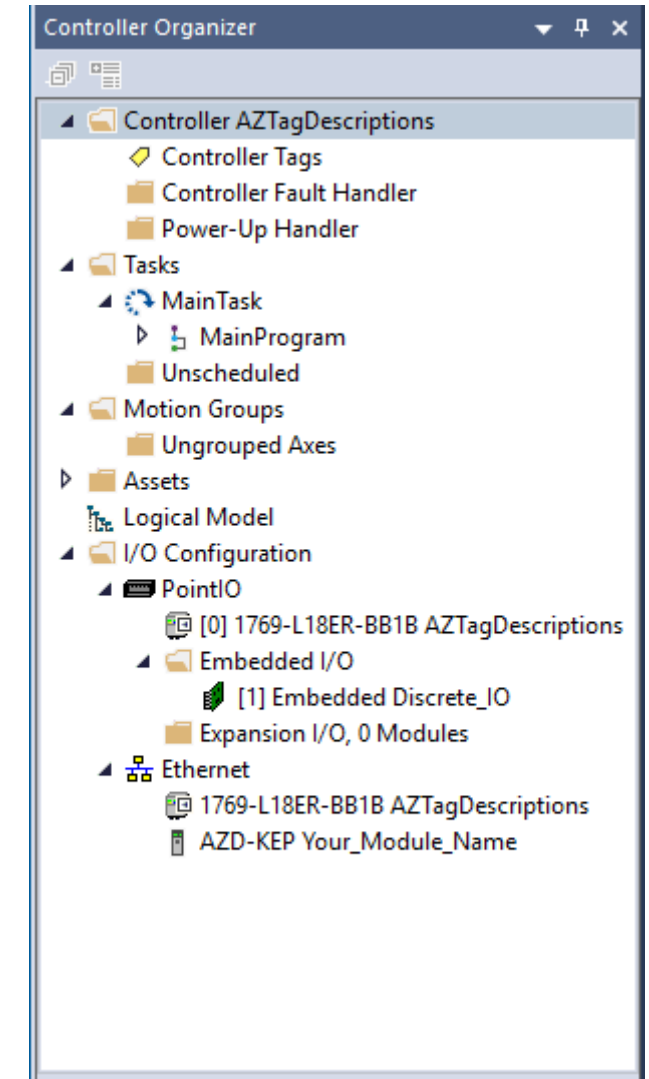
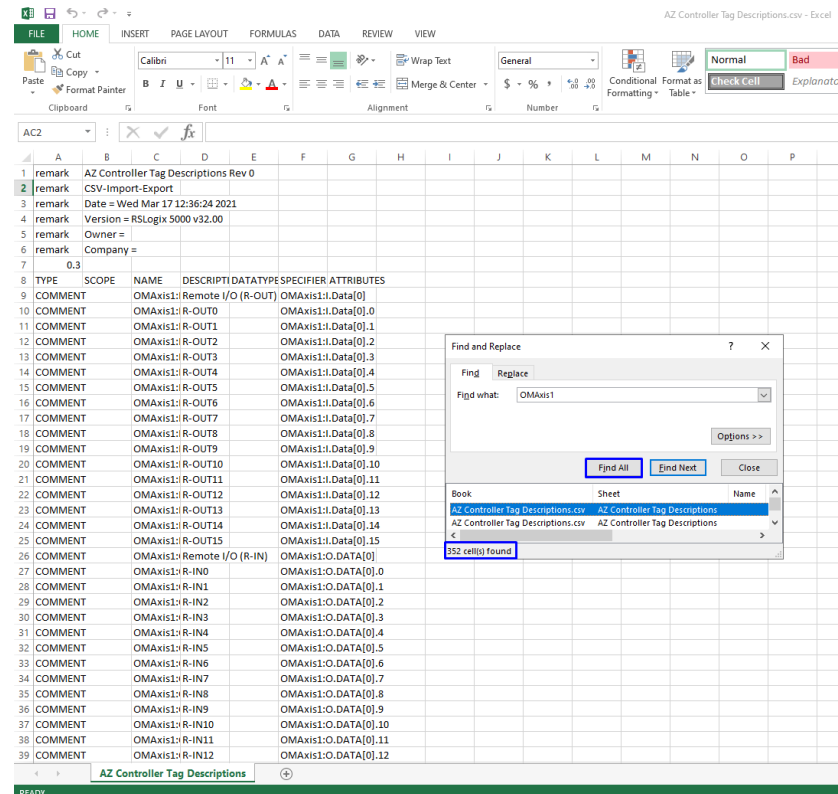
AZ Controller Tag Descriptions.csv

If your module name is anything other than “OMAxis1” follow the steps below.

If your module name is “OMAxis1” skip to page 7.

Open the AZ Controller Tag Descriptions.csv in excel and do a Ctrl-F search for “OMAxis1”.

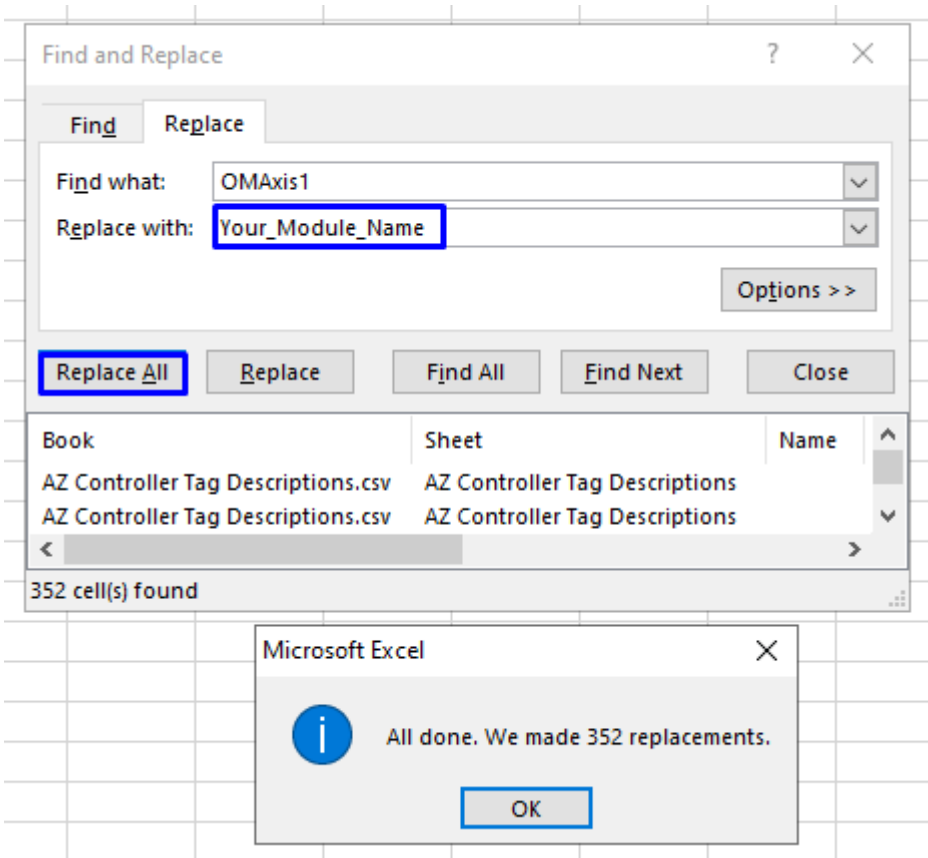
There should be 352 results for “OMAxis1”.



AZ Controller Tag Descriptions.csv

Using the replace tool in Excel, enter your module name from Studio5000 into the field and click “Replace All”.

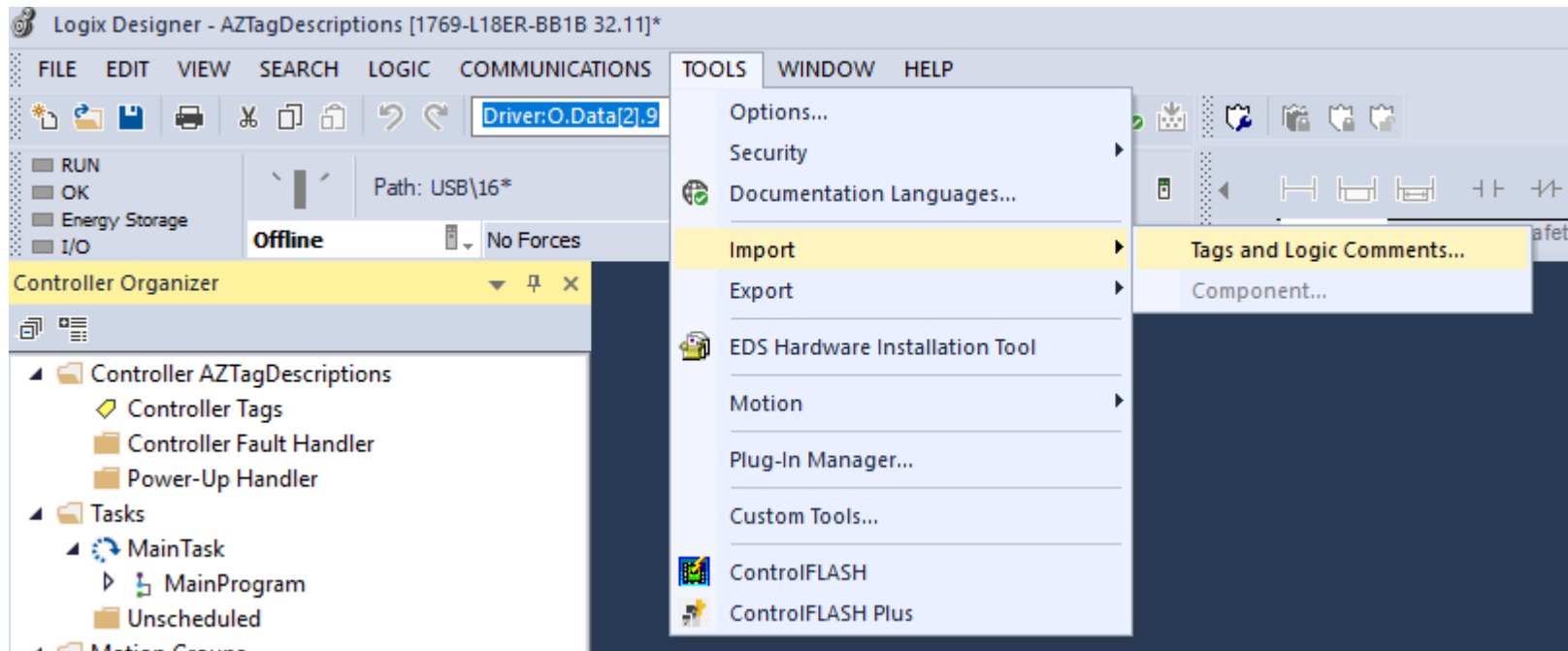
Save the csv file.



Importing Tag Descriptions

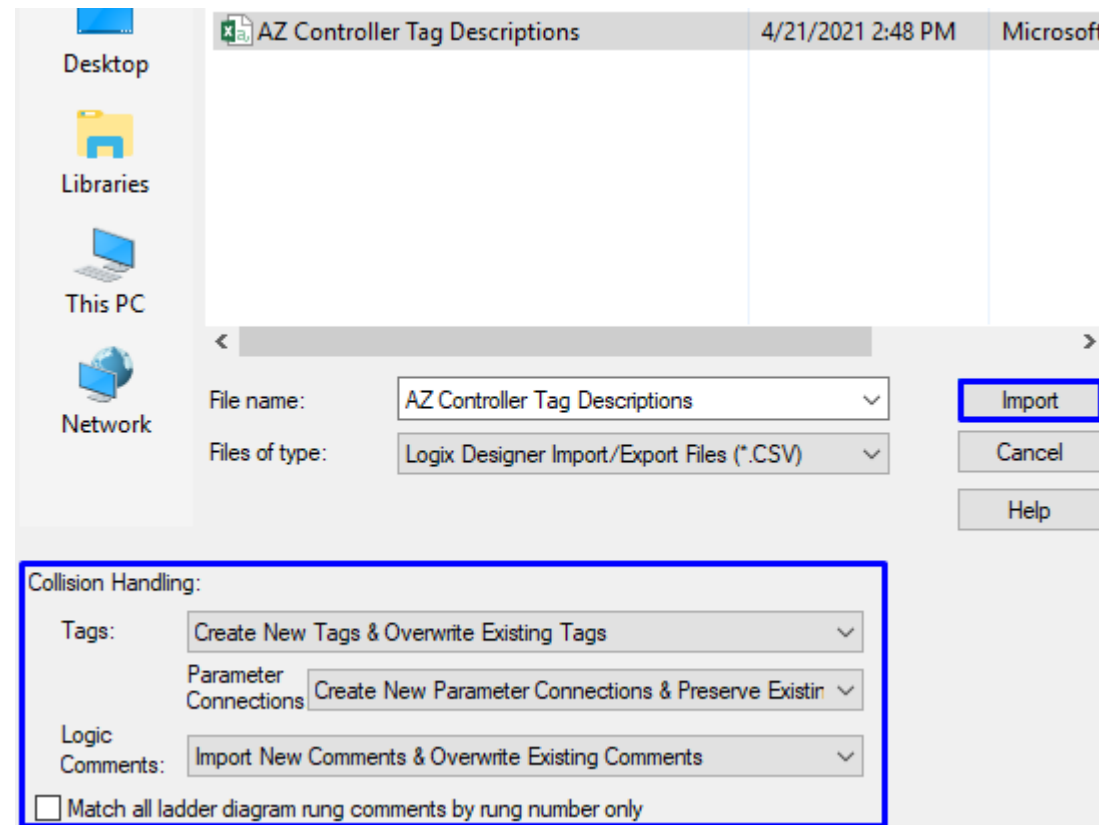
Ensure the controller is still offline.

With the module names matching in excel and Studio5000, import the csv file into Studio5000 by clicking on Tools>Import>Tags and Logic Comments...



Importing Tag Descriptions

Import the file and select the desired collision settings. The options below are the factory settings.



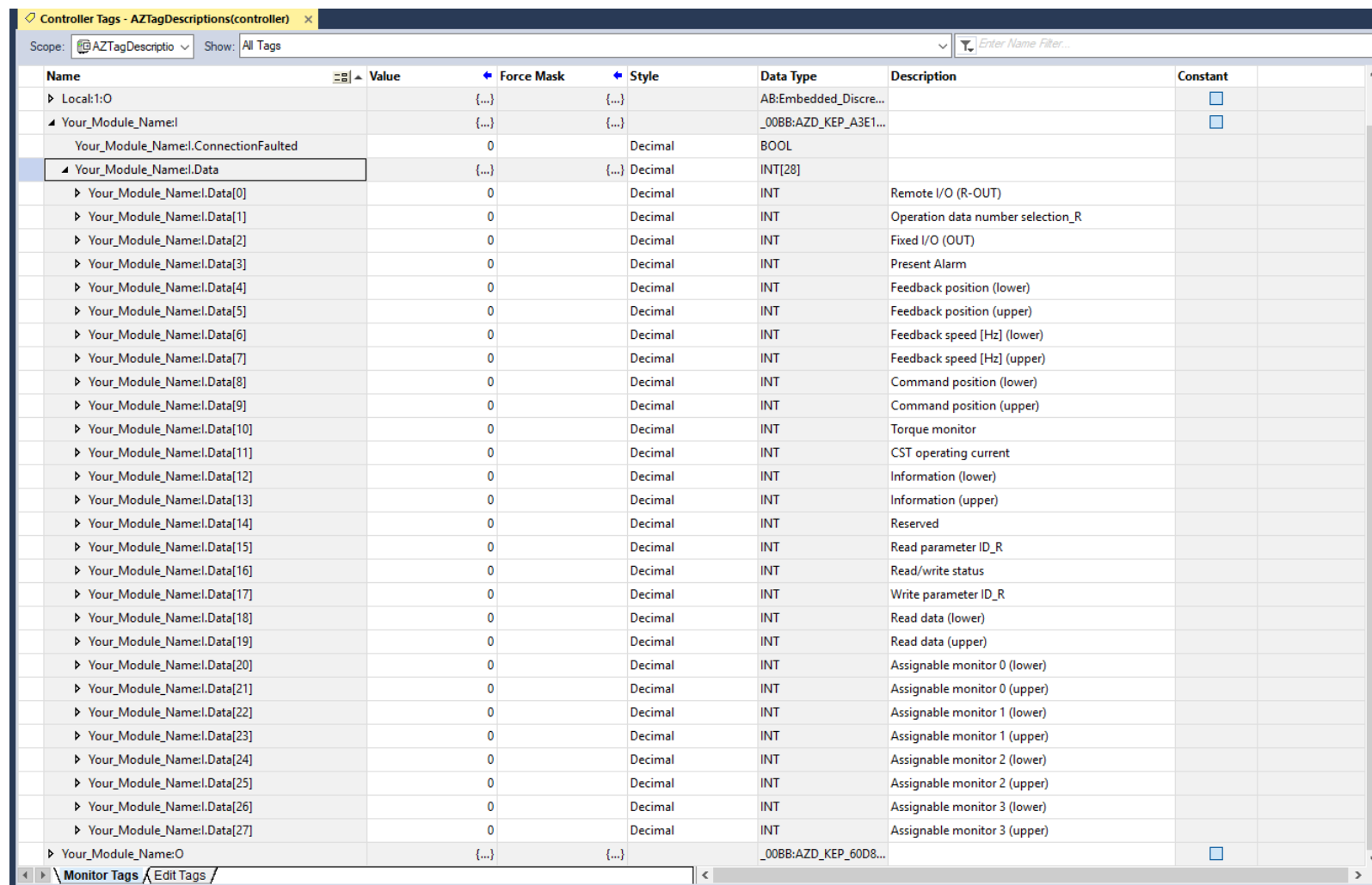
Importing Tag Descriptions

After importing, you should receive a message stating 176 tags have been imported.



Imported Tag Descriptions

Navigating to the Controller Tags in the Controller Organizer, you should see all tags from your driver updated with a description. An example is shown below.



Name	Value	Force Mask	Style	Data Type	Description	Constant
Local:1:0		{...}	{...}	AB:Embedded_Discr...		<input type="checkbox"/>
└ Your_Module_Name:I		{...}	{...}	_00BB:AZD KEP_A3E1...		<input type="checkbox"/>
Your_Module_Name:I.ConnectionFaulted	0		Decimal	BOOL		
└ Your_Module_Name:I.Data		{...}	{...}	INT[28]		
Your_Module_Name:I.Data[0]	0		Decimal	INT	Remote I/O (R-OUT)	
Your_Module_Name:I.Data[1]	0		Decimal	INT	Operation data number selection_R	
Your_Module_Name:I.Data[2]	0		Decimal	INT	Fixed I/O (OUT)	
Your_Module_Name:I.Data[3]	0		Decimal	INT	Present Alarm	
Your_Module_Name:I.Data[4]	0		Decimal	INT	Feedback position (lower)	
Your_Module_Name:I.Data[5]	0		Decimal	INT	Feedback position (upper)	
Your_Module_Name:I.Data[6]	0		Decimal	INT	Feedback speed [Hz] (lower)	
Your_Module_Name:I.Data[7]	0		Decimal	INT	Feedback speed [Hz] (upper)	
Your_Module_Name:I.Data[8]	0		Decimal	INT	Command position (lower)	
Your_Module_Name:I.Data[9]	0		Decimal	INT	Command position (upper)	
Your_Module_Name:I.Data[10]	0		Decimal	INT	Torque monitor	
Your_Module_Name:I.Data[11]	0		Decimal	INT	CST operating current	
Your_Module_Name:I.Data[12]	0		Decimal	INT	Information (lower)	
Your_Module_Name:I.Data[13]	0		Decimal	INT	Information (upper)	
Your_Module_Name:I.Data[14]	0		Decimal	INT	Reserved	
Your_Module_Name:I.Data[15]	0		Decimal	INT	Read parameter ID_R	
Your_Module_Name:I.Data[16]	0		Decimal	INT	Read/write status	
Your_Module_Name:I.Data[17]	0		Decimal	INT	Write parameter ID_R	
Your_Module_Name:I.Data[18]	0		Decimal	INT	Read data (lower)	
Your_Module_Name:I.Data[19]	0		Decimal	INT	Read data (upper)	
Your_Module_Name:I.Data[20]	0		Decimal	INT	Assignable monitor 0 (lower)	
Your_Module_Name:I.Data[21]	0		Decimal	INT	Assignable monitor 0 (upper)	
Your_Module_Name:I.Data[22]	0		Decimal	INT	Assignable monitor 1 (lower)	
Your_Module_Name:I.Data[23]	0		Decimal	INT	Assignable monitor 1 (upper)	
Your_Module_Name:I.Data[24]	0		Decimal	INT	Assignable monitor 2 (lower)	
Your_Module_Name:I.Data[25]	0		Decimal	INT	Assignable monitor 2 (upper)	
Your_Module_Name:I.Data[26]	0		Decimal	INT	Assignable monitor 3 (lower)	
Your_Module_Name:I.Data[27]	0		Decimal	INT	Assignable monitor 3 (upper)	
└ Your_Module_Name:O		{...}	{...}	_00BB:AZD KEP_60D8...		<input type="checkbox"/>

Version History		
Version	Description	Date
1	Initial Release	06/07/2021