Logix 5000 Controllers Import/Export Project Components

1756 ControlLogix®, 1756 GuardLogix®, 1769 CompactLogix™, 1769 Compact GuardLogix®, 1789 SoftLogix™, 5069 CompactLogix™, 5069 Compact GuardLogix, Studio 5000® Logix Emulate™

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Rockwell Automation

Programming Manual

Original Instructions

Important User Information

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards.

Activities including installation, adjustments, putting into service, use, assembly, disassembly, and maintenance are required to be carried out by suitably trained personnel in accordance with applicable code of practice.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

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Throughout this manual, when necessary, we use notes to make you aware of safety considerations.

WARNING: Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.

ATTENTION: Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard, and recognize the consequence.

IMPORTANT Identifies information that is critical for successful application and understanding of the product.

Labels may also be on or inside the equipment to provide specific precautions.

SHOCK HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that dangerous voltage may be present.

BURN HAZARD: Labels may be on or inside the equipment, for example, a drive or motor, to alert people that surfaces may reach dangerous temperatures.

ARC FLASH HAZARD: Labels may be on or inside the equipment, for example, a motor control center, to alert people to potential Arc Flash. Arc Flash will cause severe injury or death. Wear proper Personal Protective Equipment (PPE). Follow ALL Regulatory requirements for safe work practices and for Personal Protective Equipment (PPE).

Rockwell Automation recognizes that some of the terms that are currently used in our industry and in this publication are not in alignment with the movement toward inclusive language in technology. We are proactively collaborating with industry peers to find alternatives to such terms and making changes to our products and content. Please excuse the use of such terms in our content while we implement these changes.

This manual includes new and updated information. Use these reference tables to locate changed information.

Grammatical and editorial style changes are not included in this summary.

Global changes

This table identifies changes that apply to all information about a subject in the manual and the reason for the change. For example, the addition of new supported hardware, a software design change, or additional reference material would result in changes to all of the topics that deal with that subject.

Change	Topic
New Studio 5000 Logix Designer® application branding	Studio 5000® environment on page 9

New or enhanced features

None in this release.

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This manual contains import and export specifications for the Logix Designer application components.

Rockwell Automation recognizes that some of the terms that are currently used in our industry and in this publication are not in alignment with the movement toward inclusive language in technology. We are proactively collaborating with industry peers to find alternatives to such terms and making changes to our products and content. Please excuse the use of such terms in our content while we implement these changes.

Studio 5000 environment

The Studio 5000 Automation Engineering & Design Environment® combines engineering and design elements into a common environment. The first element is the Studio 5000 Logix Designer® application. The Logix Designer application is the rebranding of RSLogix 5000® software and will continue to be the product to program Logix 5000™ controllers for discrete, process, batch, motion, safety, and drive-based solutions.

The Studio 5000® environment is the foundation for the future of Rockwell Automation® engineering design tools and capabilities. The Studio 5000 environment is the one place for design engineers to develop all elements of their control system.

Additional resources

These documents contain additional information concerning importing and exporting projects and project components.

Resource	Description
Logix 5000™ Controllers Import/Export Reference Manual, publication 1756-RM084	Provides detailed reference information and examples for importing and exporting projects and components.
Logix 5000 Controllers Security Programming Manual, publication 1756-PM016	Describes how to configure security for controller projects using the Logix Designer application.

Resource	Description
Product Certifications webpage, available at http://ab.rockwellautomation.com	Provides declarations of conformity, certificates, and other certification details.

View or download publications at http://www.rockwellautomation.com/literature. To order paper copies of technical documentation, contact the local Rockwell Automation distributor or sales representative.

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Alternately, obtain complete Corresponding Source code by contacting Rockwell Automation via the Contact form on the Rockwell Automation website:
http://www.rockwellautomation.com/global/about-us/contact/contact.page
Please include "Open Source" as part of the request text.

A full list of all open source software used in this product and their corresponding licenses can be found in the OPENSOURCE folder. The default installed location of these licenses is `C:\Program Files (x86)\Common Files\Rockwell\Help\<Product Name>\Release Notes\OPENSOURCE\index.htm`.

Additional considerations for rungs

Introduction

This chapter explains import and export of rungs.

Export considerations

One rung or a contiguous set of selected rungs may be exported to an L5X file.

The export file may also include any program-scoped tags, controller-scoped tags, Add-On Instructions, user-defined data types, and user-defined string types that are referenced by the rungs. If they exist in the project, the definitions for the referenced tags, Add-On Instructions, and user-defined data types are exported to the L5X file. In the case of rungs exported from an Add-On Instruction routine, if they exist at the time of export, any parameters and local tags referenced are exported.

Import considerations

When importing rungs, configure how the referenced components are imported during import configuration. By default, referenced components that collide with project components are not imported.

Considerations when importing rungs.

Topic	Consideration
Pending Edits exist	If rungs are imported into a program or equipment phase that contains pending edits, all pending edits in the program are accepted if **Accept Program Edits** is selected during import of the rungs. Similarly, all pending edits in the program are finalized if **Finalize All Edits In Program** is selected during import of the rungs.
Accepted Edits exist	Rungs cannot be imported into a program or equipment phase that contains routines with Accepted Edits or Test Edits. Existing edits must first either be assembled or canceled.
First scan	When importing rungs into an existing program, the S:FS bit is not set during the program's next scan. This applies when importing rungs into an existing equipment phase as well.
Collision handling	If selecting **Overwrite Selected Rungs** in the **Import Rungs** dialog box, the imported rungs overwrite the rungs selected in the project. If **Overwrite Selected Rungs** is cleared, the imported rungs are inserted before the selected rungs in the project if the ladder editor is in Insert mode, they are inserted after the selected rungs if the ladder editor is in Append mode.
Tag scope	When exporting rungs from a program or equipment phase and import them into an Add-On Instruction routine, any referenced controller-scoped or program-scoped tags are converted on import. The tag is converted to a local tag unless local scoped is not allowed (for example, a Motion Group tag cannot be a local tag), in which case the tag is converted to an InOut parameter. When exporting rungs from an Add-On Instruction routine and import them into a routine in a program or equipment phase, the referenced parameters and local tags are converted on import. The parameter or local tag are converted to a program-scoped or phase-scoped tag unless it is not allowed (for example, a Motion Group tag cannot be a program-scoped tag), in which case it is converted to a controller-scoped tag.

For considerations for referenced user-defined types, Add-On Instructions, and tags that may be imported with the rungs, see import and export of user-defined types, Add-On Instructions and tags.

See also

Import and export user-defined types on page 17

Import and export Add-On Instructions on page 19

Import and export tags on page 31

Additional considerations for routines

Introduction

This chapter explains the import and export of routines.

Export considerations

A routine can be exported to an L5X file. Routines of all language types, Function Block Diagram, Sequential Function Chart, Ladder Diagram and Structured Text, may be exported. However, routines may not be exported from an Add-On Instruction container and SoftLogix external routines may not be exported.

The export file may also include any program-scoped tags, controller-scoped tags, Add-On Instructions, user-defined data types, and user-defined string types that are referenced by the routine. If they exist in the project, the definitions for the referenced tags, Add-On Instructions, and user-defined data types are exported to the L5X file.

Import considerations

When importing a routine, configure how the referenced components are imported during import configuration. By default, referenced components that collide with project components are not imported.

Considerations when importing a routine.

Topic	Consideration
Pending Edits exist	If a routine is imported into a program or equipment phase that contains other routines with pending edits, all pending edits in the program are accepted if **Accept Program Edits** is selected during import of the routine. Similarly, all pending edits in the program are finalized if **Finalize All Edits In Program** is selected during import of the routine.
Accepted Edits exist	A routine may not be imported into a program or equipment phase that contains routines with accepted edits or test edits. Existing edits must first either be assembled or canceled.
Routine type	An existing routine may not be overwritten by a routine that is another routine type.
First scan	When importing a routine into an existing program, the S:FS bit is not set during the program's next scan. This applies when importing a routine into an existing equipment phase as well.
SFC routine execution configuration	SFC execution settings are configured on a controller project, not per SFC routine. If exporting an SFC routine and importing it into another project with different SFC execution settings, the functionality of the routine could change. For example, a change in the **Last Scan of Active Steps** setting could leave physical outputs in an undesired state.
Equipment Phase state routines	When state routines are created while online with the controller and logic edits are accepted but not tested, the routine will behave as if it was not implemented.

For considerations for referenced user-defined types, Add-On Instructions, and tags that may be imported with the rungs see import and export of user-defined types, Add-On Instructions, and tags.

See also

Import and Export user-defined types on page 17

Import and export Add-On Instructions on page 19

Import and export Tags on page 31

Additional considerations for programs and equipment phases

Introduction

This chapter explains import and export of programs. All topics apply to equipment phases as well; any exceptions are noted.

Export considerations

A program can be exported to an L5X file. The exported program includes all of its program tags and routines, which are imported with the program automatically.

The export file may also include any controller-scoped tags, Add-On Instructions, user-defined data types, and user-defined string types referenced by the program. The definitions for the referenced tags, Add-On Instructions, and user-defined data types are exported to the L5X file if they exist in the project.

As with other export types, I/O module data type definitions are not exported. I/O module data types are created within a project when the associated I/O module is created in the project. On import, program-scoped tags may not be modified. As a result, if a program-scoped tag aliases an I/O module type tag, the I/O module must first exist in the project in order to import the program. To export the program so that it can be imported into a project with another module type, first alias the program-scoped tag to a controller-scoped tag of a non-I/O module type, and then alias the controller-scoped tag to the I/O module. These program-scoped tags can then be created during the import of the program if necessary.

Import considerations

When importing a program, the program-scoped tags and routines are imported as part of the program. The Operation, Final Name, Description, and any other settings of the program-scoped tags and routines cannot be modified; instead, the Operations are based on the Operation selected for the program.

Programs cannot overwrite equipment phases, and vice-versa. Programs and equipment phases must have unique names.

Configure how the referenced components are imported during import configuration. By default, referenced components that collide with project components are not imported.

Considerations when importing a program.

Topic	Consideration
Accepted or Test Edits exist	A program with Accepted Edits or Test Edits may not be overwritten.

Topic	Consideration
Deletes of program-scoped tags and routines during program overwrite	When importing a program to replace an existing program, any tags or routines in the existing program that are not in the new program are deleted during import. However, if online and Import Logic Edits as Pending or Accept Program Edits is selected in the **Online Options** dialog box, then these tags and routines cannot be deleted because they are referenced by existing logic until edits are finalized. In this situation, although they were identified during import configuration with an Operation of Delete, these tags and routines are not deleted as part of the import. Delete them in the Logix Designer editor after finalizing edits.
Safety program scheduled location	A Safety program cannot be scheduled in the **Controller Fault Handler** or **Power-Up Handler** folders.
Configuration of Equipment Phase state routines	In the configuration for an equipment phase state routine, when the **Complete State Immediately if not Implemented** option is selected in version 17.00.00 and later of the application, an implemented, but empty (no logic), phase state routine behaves the same as an unimplemented phase state routine. The state immediately completes and execution of the phase continues. The phase then enters the next state in the state machine. 00In version 16.00.00 or later of the application, if an equipment phase enters a state for which a state routine exists, but contains no logic, execution of the phase stops regardless of whether the **Complete State Immediately if not Implemented** option is selected. The routine does complete, but there is no logic to run. If importing a new state routine and, in the **Online Options** dialog box, select: • **Import Logic Edits as Pending**, an empty routine is created in the controller and the pending edits only exist in the offline project. • **Accepts Program Edits**, an empty routine is created in the controller and the logic is placed in a test edits container in the routine. If not actively testing edits, the routine is empty when running. • **Finalize All Edits in Program**, the routine is created with the new logic and is not empty. In the first two cases, if the **Complete State Immediately if not Implemented** option is selected, the empty routine completes immediately and allows phase execution to continue.
First scan	If a new program or equipment phase is created in a controller in Remote Run mode, logic in that program or equipment phase receives a value of 1 for the S:FS system flag (First Scan flag) until the main routine has run once. Any other logic imports (that is overwriting an existing program or equipment phase, or any routine or rung imports) does not result in a value of 1 for S:FS system flag.
Pre-scan	Logic imported while online with the controller in Remote Run mode is not pre-scanned before it begins to run.
Program scheduled location while online	An imported program that is configured to overwrite an existing program cannot be scheduled into a location that differs from the existing program while online with the controller in Remote Run mode; the existing scheduled location is used.
Renamed tags	When overwriting an existing program and the imported program is modified such that a program-scoped tag has been renamed, during import, the existing tag is deleted and a tag with the new name is created. All logic references are updated to reference the new tag. Therefore, the online tag values are not preserved and the tag values from the imported tag are downloaded to the controller. To preserve the data values of the renamed tag and minimize the logic changes, rename the program tag in the online project to the new name before importing the modified program.
Importing multiple programs	Controller Fault Handler and Power-Up Handler Disabled: When importing multiple target programs, the Controller Fault Handler and Power-Up Handler are unavailable in the Schedule In list.

For considerations for referenced user-defined types, Add-On Instructions, program tags, and referenced tags that may be imported with a program see, Importing and exporting user-defined types, Add-On Instructions, and tags.

See also

Import and export user-defined types on page 17

Import and export Add-On Instructions on page 19

Import and export tags on page 31

Additional considerations for user-defined types

Introduction

This chapter explains import and export of user-defined data types and user-defined string types.

Export considerations

A user-defined type (either user-defined data type or user-defined string type) can be exported to an L5X file.

The export file may also include any Add-On Instructions, user-defined data types, and user-defined string types referenced by the exported user-defined type. The definitions for the referenced Add-On Instructions and data types are exported to the L5X file if they exist in the project and if **Include all referenced Add-On Instructions and User-Defined Types** is selected during export.

Also export user-defined data type references when a program, routine, set of rungs, or Add-On Instruction is exported.

Import considerations

When importing a user-defined type, configure how the referenced components are imported during import configuration. By default, referenced components that collide with project components are not imported.

User-defined types cannot overwrite Add-On Instructions. User-defined types and Add-On Instructions must have unique names.

Considerations when importing a user-defined type.

Topic	Consideration
Tag data	Imported tags that reference a user-defined data type in the import file may be affected if the user-defined data type is not imported as well. In this case, the imported tag's data may be converted if the existing data structure is different and tag data may be lost. If an existing user-defined data type is overwritten, project tag data may be converted if the data structure is different and tag data may be lost.
Data type modification while online	A user-defined data type that is referenced in the project may not be overwritten. If the existing user-defined data type is not referenced, it may be overwritten while online.
Final Name change	If the Final Name of a user-defined type reference is modified during import configuration, all logic, tags, Add-On Instructions, and other user-defined types in the import that reference the user-defined type are updated to reference the new name. As a result, the edit date of any Add-On Instructions that references the user-defined type is updated.

See *Import and export Add-On Instructions* for considerations for referenced Add-On Instructions that may be imported with the user-defined type.

See also

Import and Export Add-On Instructions on page 19

Import and export Add-On Instructions

Introduction

This chapter explains import and export of Add-On Instructions.

Create export files

When exporting an Add-On Instruction, the exported Add-On Instruction includes all of its parameters, local tags, and routines. These are imported with the Add-On Instruction automatically.

Optionally, include any nested Add-On Instructions or user-defined data types that are referenced by the exported Add-On Instruction. Referenced Add-On Instructions and data types are exported to the L5X file, if the **Include all referenced Add-On Instructions and User-Defined Types** check box is selected during the export.

Add-On Instruction definition references may also be exported when a program, routine, set of rungs, or user-defined data type is exported.

Tip: If an Add-On Instruction uses Message (MSG) instruction and InOut parameters of type MESSAGE, consider exporting a rung containing the Add-On Instruction to include the MESSAGE tags. This captures the message configuration data, such as type and path.

In deciding how to manage Add-On Instruction definitions in export files, consider the goals in storing the definitions.

If	Then
Want to store many Add-On Instructions that share a set of common Add-On Instructions or user-defined data types in a common location	See *Export to separate files*.
Want to distribute an Add-On Instruction as one file	See *Export to one file*.
Want to manage each Add-On Instruction as a standalone instruction	
Want to preserve the instruction signature on Add-On Instruction	

Tip: Add-On Instructions with instruction signatures are encrypted upon export to prevent modifications to the export file.

See also

Export to separate files on page 19

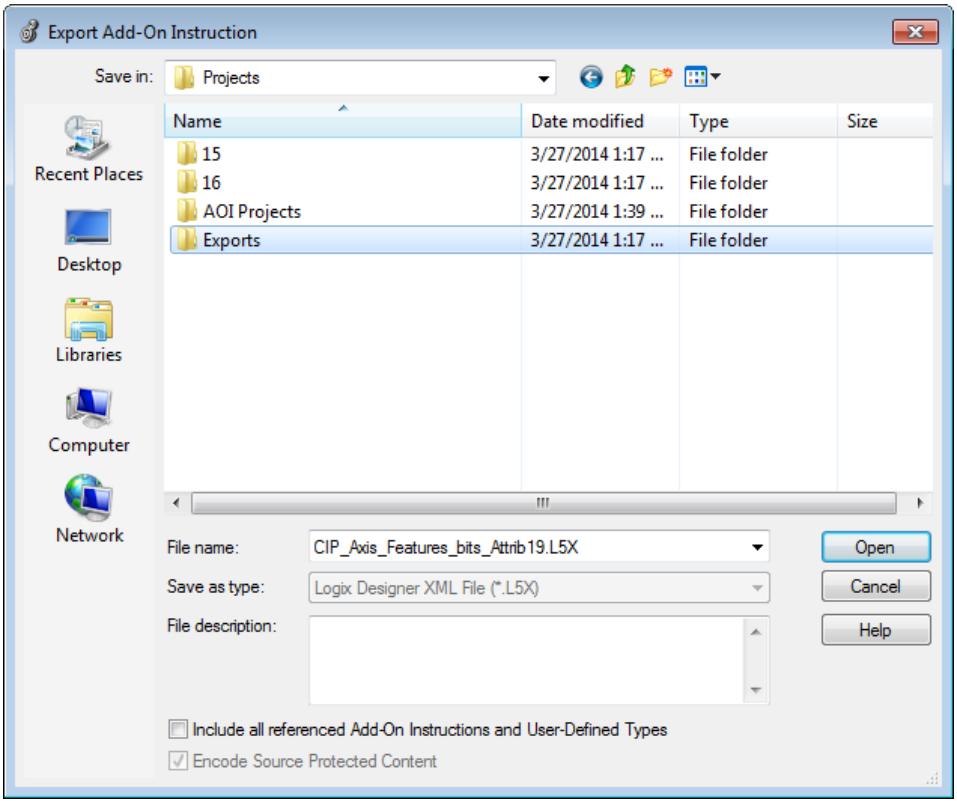
Export to one file on page 21

Export to separate files

To store many Add-On Instructions that share a set of common Add-On Instructions or user-defined data types in a common location, export each Add-On Instruction and user-defined data types to separate files without including references.

To export to separate files:

1. Select the Add-On Instruction in the **Controller Organizer**, and choose **Export Add-On Instruction**.
2. Select the common location to store the L5X file.



3. Type a name for the file.
4. Clear the **Include all referenced Add-On Instructions and User-Defined Types** check box.
5. Select **Export**.
6. Repeat the previous steps to individually export the other shared Add-On Instructions and user-defined data types.

By using export in this way, manage the shared Add-On Instruction and user-defined data types independently of the Add-On Instructions that reference them. Using this approach, can update the shared component without regenerating all the export files for the instructions that reference it. That is, it is stored in only one file instead of in every file whose instruction references it. This approach makes it easier to maintain the instructions to update only one export file.

To use Add-On Instructions that were exported in a separate file without references, first import any user-defined data types of Add-On Instructions that the exported instruction references before the import of the referencing instruction can be successful. (This assumes that the referenced user-defined data types of Add-On Instructions do not exist in the project.) To do this, work from the bottom up. Import the lowest-level user-defined data types and any user-defined data types that reference them. Then, import the lowest-level

Add-On Instructions, followed by any Add-On Instructions that reference those low-level Add-On Instructions. Once all items referenced by the Add-On Instruction are in place, the import of the Add-On Instruction succeeds.

See also

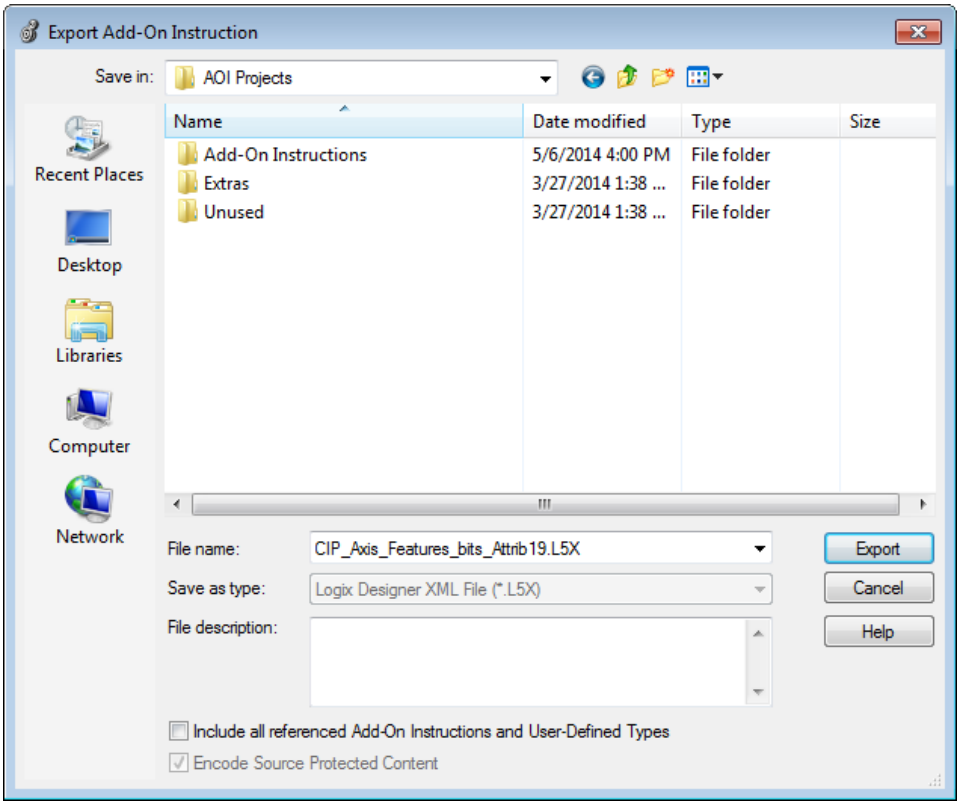
Export to one file on page 21

Export to one file

To manage each Add-On Instruction as a standalone, export the instruction and any referenced Add-On Instructions or user-defined data types into one export file. By including any referenced Add-On Instructions or user-defined data types, also makes it easier to preserve the instruction signature of an Add-On Instruction.

To export to one file:

1. Select the Add-On Instruction in the **Controller Organizer** and choose **Export Add-On Instruction**.
2. Choose the location to store the L5X file.



3. Type a name for the file.
4. Select the **Include all referenced Add-On Instructions and User-Defined Types** check box.
5. Select **Export**.

This procedure exports the selected Add-On Instruction and all referenced instructions into the same export file. This file can be used to distribute an Add-On Instruction. When the exported Add-On Instruction is imported into the project, the referenced instructions are also imported in one step.

See also

Export to separate files on page 19

Import an Add-On Instruction

Import an Add-On Instruction that was exported from another Logix Designer project. When importing an Add-On Instruction, the parameters, local tags, and routines are imported as part of the Add-On Instruction. Once the project has the Add-On Instruction, use it in programs.

Import considerations

This section covers import guidelines for Add-On Instructions or Add-On Instruction references.

ATTENTION: Editing an L5K or L5X File

The EditedDate attribute of an Add-On Instruction must be updated if the Add-On Instruction is modified by editing an L5K or L5X file. If the Logix Designer application detects edits to the Add-On Instruction, but the Edited Date attribute is the same, the Add-On Instruction is not imported.

When importing Add-On Instructions directly or as references, consider these guidelines.

Topic	Consideration
Tag Data	Imported tags that reference an Add-On Instruction in the import file may be affected if the Add-On Instruction is not imported as well. In this case, the imported tag's data may be converted if the existing Add-On Instruction's data structure is different. Tag data may be lost. If an existing Add-On Instruction is overwritten, project tag data may be converted if the Add-On Instruction's data structure is different. Tag data may be lost. See *Import Configuration* for more information.
Logic	Imported logic that references the Add-On Instruction in the import file may be affected if the Add-On Instruction is not imported. If an existing Add-On Instruction is used for the imported logic reference and the parameter list of the Add-On Instruction in the project is different, the project may not verify or it may verify but not work as expected. If an existing Add-On Instruction is overwritten, logic in the project that references the Add-On Instruction may be affected. The project may not verify or may verify but not work as expected. See *Import Configuration* for more information.
Add-On Instructions While Online	An Add-On Instruction cannot be overwritten during import while online with the controller, though a new Add-On Instruction may be created while online.
Final Name Change	If the Final Name of an Add-On Instruction is modified during import configuration, the edit date of the imported Add-On Instruction is updated. In addition, all logic, tags, user-defined data types, and other Add-On Instructions in the import file that reference the Add-On Instruction are updated to reference the new name. As a result, the edit date of any Add-On Instruction that references the Add-On Instruction is updated. Add-On Instructions that are sealed with an instruction signature cannot be renamed during import.

Topic	Consideration
User-Defined data types	Add-On Instructions cannot overwrite user-defined data types. Add-On Instructions and user-defined data types require unique names.
Instruction Signature	When importing an Add-On Instruction with an instruction signature into a project where referenced Add-On Instructions or user-defined data types are not available, consider removing the signature. Overwrite an Add-On Instruction that has an instruction signature by importing another Add-On Instruction with the same name into an existing routine. Add-On Instructions that are sealed with an instruction signature cannot be renamed during import.
Safety Add-On Instructions	Importing a safety Add-On Instruction into a standard project is not allowed. Importing a safety Add-On Instruction into a safety project that has been safety-locked or one that has a safety task signature is not allowed. Import a safety Add-On Instruction while online. Class, instruction signature, signature history, and safety instruction signature, if it exists, remain intact when an Add-On Instruction with an instruction signature is imported.

IMPORTANT Importing an Add-On Instruction created in version 18.00.00 or later of the application, into an earlier project that does not support Add-On Instruction signatures causes the Add-On Instruction to lose attribute data and the instruction may no longer verify.

See also

Import Configuration on page 23

Import configuration

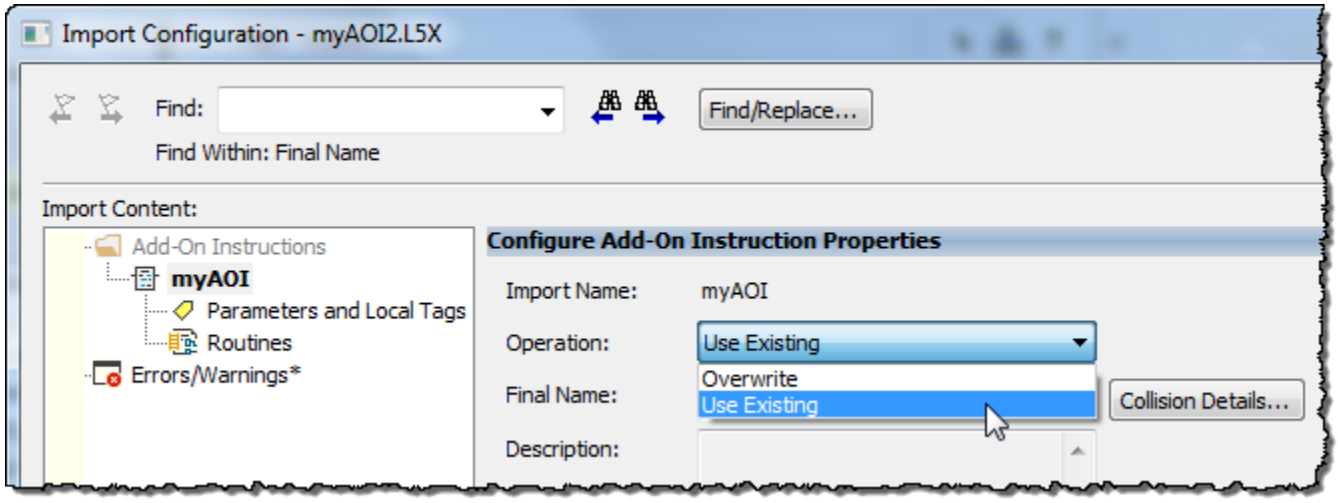
When selecting a file to import, use the **Import Configuration** dialog box to choose how the Add-On Instruction and referenced components are imported.

If no issues exist, select **OK** to complete the import.

If the Add-On Instruction collides with an Add-On Instruction in the project:

- Rename it by typing a new, unique name in the **Final Name** field.
- Choose **Overwrite** from the **Operation** menu.

- Choose **Use Existing** from the **Operation** menu.



Tip: Rename an Add-On Instruction only if it has not been sealed with an instruction signature.
To rename an Add-On Instruction that has been source-protected, use the source key.

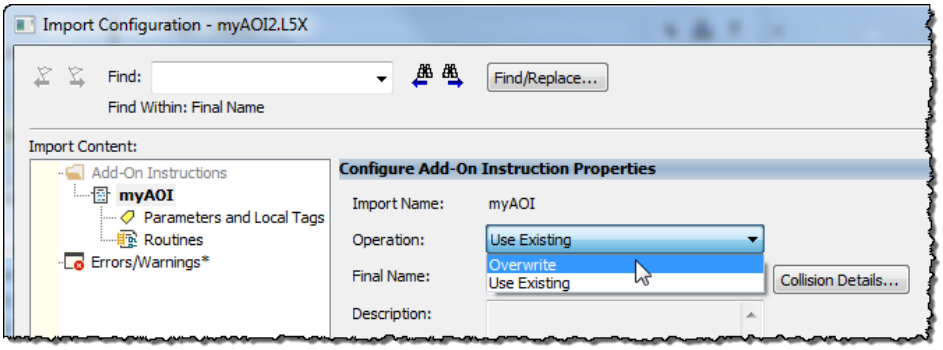
Use the **Collision Details** button to view the **Property Compare** tab, which shows the differences between the two instructions, and the **Project References** tab, which shows where the existing Add-On Instruction is used and how the arguments are updated to locations where the existing Add-On Instruction is called.

Update an Add-On Instruction to a later revision using import

To update an instruction to a later revision, import it from an L5X file or copy it from an existing project. Update an Add-On Instruction only when offline.

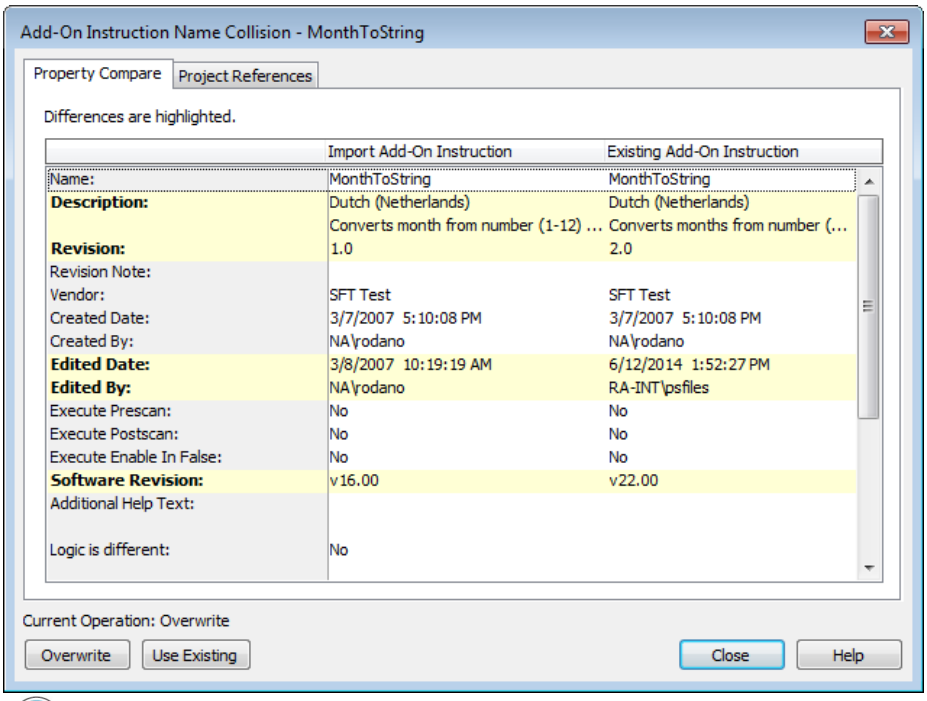
To update an Add-On Instruction to a later revision using import:

1. Select the **Add-On Instruction** folder and choose **Import Add-On Instruction**.
2. Select the file with the Add-On Instruction and select **Open**.
3. From the **Operation** list on the **Import Configuration** dialog box, choose **Overwrite**.



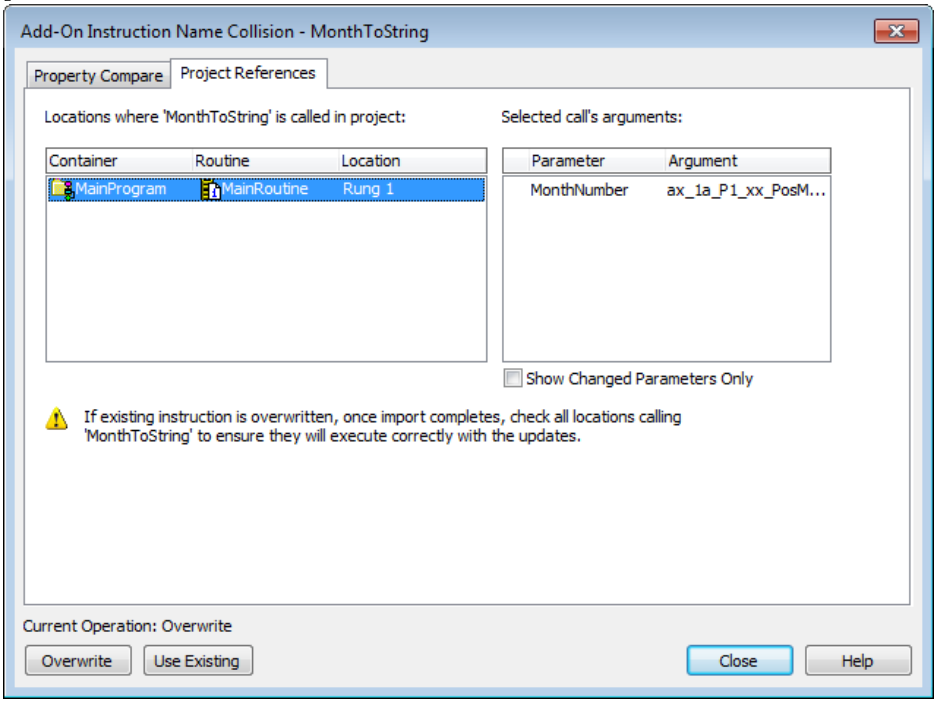
4. Select **Collision Details** to see any differences in the Add-On Instruction definition, and to see any changes that will be made to the logic where the Add-On Instruction is called.

Differences listed in the **Property Compare** tab are shown in bold in the **Name** column.



Tip: The **Compare** dialog box compares metadata for each instruction definition, such as description, revision, or edited date. For effective revision control, enter a detailed revision note in the **Add-On Instructions Definition** dialog box. To open the dialog box, right-click an Add-On Instruction and select **Open Definition**.

The **Project References** tab shows a list of locations where the Add-On Instruction is called, and for each location, shows how the arguments in the Add-On Instruction will be updated to adapt to the new parameters.



IMPORTANT Beginning with version 18.00, when changing the parameters of an Add-On Instruction (add, delete, or move), each location where the Add-On Instruction is called is modified so that the existing arguments continue to match their previous parameters. Importing and Overwriting an existing Add-On Instruction may cause changes to the existing logic that uses the Add-On Instruction.

IMPORTANT If the logic calling the Add-On Instruction is within a source-protected routine, and the key is not available, the arguments are not shown or updated. Instead, the Location will be identified as Source Not Editable.

For more information on updates to arguments, see *Logix 5000 Controllers Add-On Instructions*.

See also

Logix 5000 Controllers Add-On Instructions

Import and export tag-based alarms and alarm definitions

Introduction

This chapter explains export and import of tag-based alarms and alarm definitions.

Create export files

Tag-based alarms and alarm definitions can be exported to an XML file for offline editing, and they are exported to the L5X file as part of a program, routine, user-defined data type, or Add-On Instruction export.

Keep these considerations in mind when editing alarms and alarm definitions in an XML file or in a spreadsheet:

- One message is exported for each alarm or alarm definition.
- Delete alarms and alarm definitions from the XML file, but those items are not removed from the Logix Designer project when importing the modified XML file.

To create export files (tag-based alarms):

1. On the main menu, select **Tools > Export > Alarms** or **Tools > Export > Alarm Definitions** to open the **Export Alarms and Alarm Definitions** dialog box.
2. Select a destination for the file and adjust the file name if necessary.
3. Select **Save**.

Tip: To open an XML file in an Excel spreadsheet, open it as an XML table. After editing, select **XML data** as the file type in the **Save as** dialog box.

Import alarms and alarm definitions

After exporting alarms or alarm definitions to an XML file, import the file into a project.

Keep these consideration in mind when importing alarms and alarm definitions from an XML file:

- If alarms and alarm definitions are deleted from the XML file, those items are not removed from the Logix Designer project when importing the modified XML file.

To import tag-based alarms and alarm definitions:

1. On the main menu, select **Tools > Import > Alarms** or **Tools > Import > Alarm Definitions** to open the **Import Alarms and Alarm Definitions** dialog box.
2. In the **Import** dialog box, select the file and select **Open** to open the **Collision Handling** dialog box.
3. On the **Collision Handling** dialog box, select the method the Logix Designer application should use in case of differences or duplication between the imported alarms and alarms that exist in the project.

   This table describes the handling options.

Option	Description
Create New Alarms & Overwrite Existing Alarms	New alarms in the XML file are created in the project, and existing alarms in the project are overwritten with the same alarms in the XML file. This is the default option.
Create New Alarms & Preserve Existing Alarms	New alarms in the XML file are created in the project, but existing alarms in the project are not overwritten with the same alarms in the XML file.
Skip New Alarms & Overwrite Existing Alarms	New alarms in the XML file are not created in the project, and existing alarms in the project are overwritten with the same alarms in the XML file.

Import considerations

Keep these considerations in mind when importing an XML file containing alarms or alarm definitions:

- The import file must be an XML file. If the import file is not an XML file, try opening the file in Excel and, in the **Open XML** dialog box, select **As an XML table**. Then save the file as an XML file by selecting **XML data** as the file type in the **Save as** dialog box.
- The XML file must be in the same alarm format as the exported file. If it was corrupted somehow or incorrectly edited after it was exported, try exporting the alarm list again and import the resulting XML file.
- The XML file must contain only the attributes that are recognized as attributes of an alarm or an alarm definition, such as AckRequired, Latched, and Severity. If an XML file is edited incorrectly after export, an attribute might be altered to make it unrecognizable, or an unknown attribute might be added. Remove or correct any unrecognized attributes in the XML file.
- The XML file must contain only the elements that are recognized as elements of an alarm or an alarm definition. If an XML file is edited incorrectly after export, an attribute might be altered to make it unrecognizable, or an unknown element might be added. In the alarm import XML file, elements appear in angle brackets, such as

<Message>, <AlarmClass>, and <HMIGroup>. Remove or correct any unrecognized elements in the XML file.

Keep this consideration in mind when copying and pasting an Add-On Instruction in a project:

- When an Add-On Instruction (AOI) tag is copied and pasted in a project, alarm definitions associated with the tag are not included.

  After you copy and paste an AOI tag, open the **Alarm Definition list** and copy and paste the alarm definition for the tag. Use these steps:

  1. In the **Controller Organizer**, right-click **Alarms** and select **Edit Alarm Definitions**.
  2. Right-click the alarm definition for the AOI tag and select **Copy**.
  3. Right-click again and select **Paste**. The alarm definition is pasted into the list with **_000** added to the alarm name.
  4. Double-click the copy of the alarm definition to open the **Alarm Definition Properties** dialog box.
  5. In the **Input** box, change the input tag to the AOI tag that you copied and pasted.

Additional considerations for tags

Introduction

This chapter explains import and export of referenced tags.

Tip: Starting with version 24.00.00 of Logix Designer application, use program parameters to share data between programs in much the same way controller-scoped tags are used. Program parameters are imported and exported in the same way as tags in most instances. For more information on program parameters, refer to 1756-PM021, *Logix 5000 Controllers Program Parameters Programming Manual*.

Export considerations

Tags are not exported to an L5X file themselves, but they are exported to the L5X file as part of a program, equipment phase, or Add-On Instruction export (program-scoped tags with a program export, equipment phase-scoped tags with an equipment phase export, and parameters and local tags with an Add-On Instruction export).

Tags may also be exported to an L5X file as references from another component being exported (controller-scoped tag references with a program or equipment phase export or program-scoped and controller-scoped tag references with a rung or routine export). The definitions for the referenced tags are exported to the L5X file by default if they exist in the project.

When exporting logic, especially if it is intended for general use, be aware that logic that references a bit member of a tag or member of a user-defined data type tag cannot be replaced during import to reference another bit or user-defined data type member. To connect the logic reference to another bit or member of a tag, consider editing the logic before export so the reference is to a full tag name (and alias if need be) so that the reference can be connected to the desired tag on import.

Import considerations

When importing a program, the program-scoped tags are imported with the program automatically (the same as they are for equipment phase). When importing an Add-On Instruction, the parameters and local tags are imported with the Add-On Instruction automatically.

During program or equipment phase imports, referenced controller-scoped tags may also be imported. For routine and rung imports, referenced tags may be imported as well. Configure how referenced tags are imported during import configuration. By default, referenced tags that collide with project components are not imported.

Keep these considerations in mind when importing tags.

Topic	Consideration
Tag data	Imported tags that reference an Add-On Instruction or user-defined data type in the import file may be affected if the Add-On Instruction or user-defined data type is not imported as well. In this case, the imported tag's data may be converted if the existing data structure is different and tag data may be lost. If an existing Add-On Instruction or user-defined data type is overwritten, project tag data may be converted if the data structure is different and tag data may be lost. If the data is not convertible, it is overwritten with the default values for the type. When array dimensions are changed, existing array members retain their values and descriptions and new members have the default values and description (usually 0 and no description).
Consumed tags	Consumed tags cannot be imported from an L5X file. They are converted to base tags and a warning appears in the **Errors** or **Warning** pane during initial parsing of the L5X file.
Tag values while online	When importing into a controller while online, if existing tags are being overwritten by imported tags, the tag values are not written to the controller. Tag values are written only to the offline project. The tag values in the controller maintain their current values but other tag attributes are written to the controller. Values for tags that are created during import are written to the controller. However, existing tag values are never overwritten in the online controller. Prevent tag values from being overwritten in the offline project by selecting **Preserve existing tag values in offline project** on the **Import Configuration** dialog box.
Tag values while offline	Prevent tag values from being overwritten in the offline project by selecting **Preserve existing tag values in offline project** on the **Import Configuration** dialog box.
Tag attributes while online	Tag attributes (for example, External Access, Constant, and Style) are written to the online project and the offline project. If existing tags are to be overwritten with new attributes that are incompatible with existing user logic, the import is not allowed.
Tag scope	An import tag maintains the scope of the tag as it was when exported if the tag initially collides with another scoped tag in the project. In that case, an attention (red) flag appears on the tag indicating the scope collision. However, If changing the **Final Name** of a tag so that it subsequently collides with a tag of another scope in the project, the imported tag is changed to the scope of the existing tag. Resolve the attention flag that appears on initial collision due to a scope issue by changing the Final Name to avoid the collision with that tag or, if the import component is routine or rungs, change the scope of the import tag by selecting the tag row and selecting **Toggle Tag Scope**.

Additional considerations for data exchange

Data exchange with other software applications

Import or export hardware diagrams to or from a standard file type to share data between different software applications.

Import and export in the Logix Designer application support these file formats:

- Web Ontology Language (OWL) uses an .rdf file to exchange data.

  Recommended for the most rich data exchange with all Rockwell Automation specific features identified for data exchange. The RDF (Resource Description Framework) serves for data representation, OWL (Web Ontology Language) builds on RDF and defines the dictionary. Both are open standards for data exchange. They are used as a basis for a Rockwell Automation specific data format.

  Tip: When exchanging data between Rockwell Automation software applications, always use the RDF file type.

- AutomationML (AML) uses an .aml file to exchange data.

  AML is an open industry standard format dedicated to automation usage. The AML specification includes a set of data structures implemented in the application. This implementation enables interoperability with other software applications that use the AutomationML Automation Project Configuration format, such as EPLAN Electric.
  Some Rockwell Automation devices are only partially supported by the AML format because they include capabilities that are not within the scope of the current AML standard. When a product is partially supported, it can be imported or exported, but may require some additional configuration to reconfigure the unsupported features. Check the Errors window in the Logix Designer application for details.

See also

Data exchange device support tables on page 35

Data exchange file type capabilities and limitations on page 33

Data exchange file type capabilities and limitations

AutomationML (AML) is an XML-based data format for storing automation-related data. Import and export AML and RDF within the Logix Designer application.

Current Logix Designer application supported devices are:

- Chassis
- Controllers
  - Controllers with Ethernet
- I/O modules
- ControlNet® communication modules
- Ethernet communication module
- Motion modules
- Redundancy modules
- Specialty modules
- Ethernet switches
- Servo drives
- Ethernet network (one only)
- Ethernet connection
- ControlNet network (trunk) (multiple)
- PowerFlex devices

Some devices are not supported by AML or RDF data exchange with the Logix Designer application and, if they are present, are omitted from the export file. These devices are:

- CompactLogix L2x, L3x, L4x, -L37ERMO, and -L37ERMOS controllers
- HMI devices
- Classic profiles (profiles that do not have a **Module Definition** dialog box) (excluding controllers)
- Devices not included:
  - 1734 Address Reserve module (1734-ARM)
  - 1756 Redundancy modules (1756-RM2)
  - 1794 Extended-Local I/O adapter (1794-FLA)
  - Unmanaged switches (1783-US)
  - Generic switch
  - Generic computer
  - Flex Terminal Base Unit device (1794-TB, 1797-TB)
  - Power Supply devices
  - End Cap and cable devices
- Stratix® expansion module switches (1783-MX, 1783-MS, 1783-RMS)
- PowerFlex Peripheral modules
- Other trunks

Some devices cannot be exported to AML. These devices are:

- CompactExtensionConnection (indicating a multi-part chassis)
- FlexLogixTrunk

IMPORTANT Attempting to export a hardware diagram that includes either of these devices results in an error and the export does not succeed.

Device properties

AML and RDF support storing a subset of device and tag properties. This table identifies the properties that are stored for data exchange with the Logix Designer application:

Device	Property
All	GUID
	Name
Chassis, Modules in Chassis, Independent physical devices	Catalog number
	Position
	Firmware version
	IP address
	Description

Unsupported properties are omitted in an AML export. Some properties can be calculated and restored upon import and others must be explicitly configured after import. Unsupported properties are:

- LeftRackSize and RightRackSize properties of CompactLogix chassis. If possible this data is calculated during post-processing and restored during import.
- Redundancy
- Safety Level
- Servo drive grouping
- Stratix expansion module owner assignment. If possible this data is calculated during post-processing and restored during import.

See also

Data exchange with other software applications on page 33

Data exchange device support tables on page 35

AutomationML web site (https://www.automationml.org)

Data exchange device support tables

Use the tables in this section to determine which form of data exchange is supported by a Logix Designer application device. Devices included in a project that are not supported cannot be imported from or exported to an RDF or AML file.

See also

Data exchange with other software applications on page 33

Data exchange file type capabilities and limitations on page 33

1715

Data exchange is not supported for 1715 communication, and digital and analog input and output devices.

1719

Data exchange is not supported for 1719 communication, and digital and analog, input and output devices.

1732

Data exchange is not supported for 1732 safety, communication, and digital and analog input and output devices.

1734 POINT I/O

Data exchange support for 1734 POINT I/O™ safety, communication, specialty, and digital and analog input and output devices:

1734 POINT I/O safety, communication, specialty, digital, and analog

Catalog Number or Product Family	RDF support	AML support
1734-232ASC	Yes	Yes
1734-485ASC	Yes	Yes
1734-4IOL	No	No
1734-8CFG	Yes	Yes
1734-8CFGDLX	Yes	Yes
1734-ACNR	Yes	Yes
1734-AENT	Yes	Yes
1734-AENTR	Yes	Yes
1734-ARM	Yes	Yes
1734-DIN	Yes	Yes
1734-EP24DC	Yes	Yes
1734-EPAC	Yes	Yes
1734-FPD	Yes	Yes
1734-IA11-2	No	No
1734-IA11-8	No	No
1734-IA16-2	No	No
1734-IA2	Yes	Yes
1734-IA4	Yes	Yes
1734-IB2	Yes	Yes
1734-IB4	Yes	Yes
1734-IB4D	Yes	Yes
1734-IB8	Yes	Yes

Catalog Number or Product Family	RDF support	AML support
1734-IB8S	Yes	Yes
1734-IE2C	Yes	Yes
1734-IE2V	Yes	Yes
1734-IE4C	Yes	Yes
1734-IE4S	Yes	Yes
1734-IE8C	Yes	Yes
1734-IJ	Yes	Yes
1734-IK	Yes	Yes
1734-IM2	Yes	Yes
1734-IM4	Yes	Yes
1734-IR2	Yes	Yes
1734-IR2E	Yes	Yes
1734-IT2I	Yes	Yes
1734-IV2	Yes	Yes
1734-IV4	Yes	Yes
1734-IV8	Yes	Yes
1734-MODULE	No	No
1734-OA2	Yes	Yes
1734-OA4	Yes	Yes
1734-OB2	Yes	Yes
1734-OB2E	Yes	Yes
1734-OB2EP	Yes	Yes
1734-OB4	Yes	Yes
1734-OB4E	Yes	Yes
1734-OB8	Yes	Yes
1734-OB8E	Yes	Yes
1734-OB8S	Yes	Yes
1734-OE2C	Yes	Yes
1734-OE2V	Yes	Yes
1734-OE4C	Yes	Yes
1734-OV2E	Yes	Yes
1734-OV4E	Yes	Yes
1734-OV8E	Yes	Yes
1734-OW2	Yes	Yes
1734-OW4	Yes	Yes
1734-OX2	Yes	Yes
1734sc-IE2CH	No	No
1734sc-IE4CH	No	No
1734sc-IF4U	No	No
1734sc-OE2CIH	No	No
1734-SSI	Yes	Yes
1734-VA11-2	No	No
1734-VA11-3	No	No
1734-VA11-8	No	No
1734-VA16-2	No	No
1734-VA16-4	Yes	Yes
1734-VHSC24	Yes	Yes
1734 POINT I/O power supplies	Yes	Yes

1738

Data exchange is not supported for 1738 communication, specialty, and digital and analog input and output devices.

1746

Data exchange is not supported for 1746 specialty, and digital and analog input and output devices.

1747

Data exchange is not supported for 1747 communication devices.

1753

Data exchange is not supported for 1753 GuardPLC™ devices.

1756 ControlLogix

Data exchange support for 1756 ControlLogix devices:

1756 ControlLogix

Catalog Number or Product Family	RDF support	AML support
1756 ControlLogix all chassis	Yes[3]	Yes[3]
1756 ControlLogix all motion modules	Partial	Partial
1756 ControlLogix all specialty modules	Partial	Partial
1756 ControlLogix all redundancy modules	Partial[2]	Partial[2]
1756 generic module	Partial	Partial
1756-A10	Yes[3]	Yes[3]
1756-A13	Yes[3]	Yes[3]
1756-A17	Yes[3]	Yes[3]
1756-A4	Yes[3]	Yes[3]
1756-A4LXT	Yes[3]	Yes[3]
1756-A5XT	Yes[3]	Yes[3]
1756-A7	Yes[3]	Yes[3]
1756-A7LXT	Yes[3]	Yes[3]
1756-CFM	No	No
1756-CN2	Yes	Yes
1756-CN2R	Yes	Yes
1756-CNB ControlLogix communication module	Partial	Partial
1756-CNBR	Yes	Yes
1756-DHRIO ControlLogix communication module	No	No
1756-DMA30	No	No
1756-DMA31	No	No
1756-DMA50	No	No
1756-DMB30	No	No
1756-DMD30	No	No
1756-DMF30	No	No
1756-DNB	No	No
1756-EN2F	Yes	Yes
1756-EN2T	Yes	Yes
1756-EN2TP	Yes	Yes
1756-EN2TR	Yes	Yes
1756-EN2TSC ControlLogix communication module	Partial	Partial
1756-EN3TR	Yes	Yes
1756-ENBT	Yes	Yes

Catalog Number or Product Family	RDF support	AML support
1756-ENET	No	No
1756-EWEB ControlLogix communication module	No	No
1756-HIST1G	Yes	Yes
1756-HIST2G	Yes	Yes
1756-HSC	No	No
1756-HYD02	No	No
1756-IA16 ControlLogix digital I/O module	Partial	Partial
1756-IA16I	Yes	Yes
1756-IA32	Yes	Yes
1756-IA8D	Yes	Yes
1756-IB16	Yes	Yes
1756-IB16D	Yes	Yes
1756-IB16I	Yes	Yes
1756-IB16IF ControlLogix module	Partial	Partial
1756-IB16ISOE	Yes	Yes
1756-IB32	Yes	Yes
1756-IC16	Yes	Yes
1756-IF16	Yes	Yes
1756-IF16H	Yes	Yes
1756-IF16IH	No	No
1756-IF4FXOF2F	Yes	Yes
1756-IF6CIS	No	No
1756-IF6I	No	No
1756-IF8	Yes	Yes
1756-IF8H	Yes	Yes
1756-IF8I ControlLogix module	Partial	Partial
1756-IF8IH ControlLogix module	Partial	Partial
1756-IG16	Yes	Yes
1756-IH16I	Yes	Yes
1756-IH16ISOE	Yes	Yes
1756-IM16I	Yes	Yes
1756-IN16	Yes	Yes
1756-IR12	No	No
1756-IR6I	No	No
1756-IRT8I ControlLogix module	Partial	Partial
1756-IT16	No	No
1756-IT16I	No	No
1756-IT6I2	No	No
1756-IV16	Yes	Yes
1756-IV32	Yes	Yes
1756-L1	Yes	Yes
1756-L53	Yes	Yes
1756-L55	Yes	Yes
1756-L60M03SE	Yes	Yes
1756-L60M03SE SERCOS	No	No
1756-L61	Yes	Yes
1756-L61S	Yes	Yes

Catalog Number or Product Family	RDF support	AML support
1756-L62	Yes	Yes
1756-L62S	Yes	Yes
1756-L63	Yes	Yes
1756-L63S	Yes	Yes
1756-L64	Yes	Yes
1756-L65	Yes	Yes
1756-L71	Yes	Yes
1756-L71S	Yes	Yes
1756-L72	Yes	Yes
1756-L72S	Yes	Yes
1756-L3	Yes	Yes
1756-L73S	Yes	Yes
1756-L4	Yes	Yes
1756-L5	Yes	Yes
1756-L7SP	Yes	Yes
1756-L81E ControlLogix controller	Partial	Partial
1756-L81ES ControlLogix controller	Partial[1]	Partial[1]
1756-L82E ControlLogix controller	Partial	Partial
1756-L82ES ControlLogix controller	Partial[1]	Partial[1]
1756-L83E ControlLogix controller	Partial	Partial
1756-L83ES ControlLogix controller	Partial[1]	Partial[1]
1756-L84E ControlLogix controller	Partial	Partial
1756-L84ES ControlLogix controller	Partial[1]	Partial[1]
1756-L85E ControlLogix controller	Partial	Partial
1756-L8SP ControlLogix controller	Partial	Partial
1756-LCE ControlLogix controller	Partial	Partial
1756-LSC8XIB8I ControlLogix specialty module	Partial	Partial
1756-LSP ControlLogix safety controller	Yes	Yes
1756-M02AE	No	No
1756-M02AS	No	No
1756-M03SE	No	No
1756-M08SE	No	No
1756-M08SEG	No	No
1756-M016SE	No	No
1756-MODULE	No	No
1756-OA16	Yes	Yes
1756-OA16I	Yes	Yes
1756-OA8	Yes	Yes
1756-OA8D	Yes	Yes
1756-OA8E	Yes	Yes
1756-OB16D	Yes	Yes
1756-OB16E	Yes	Yes
1756-OB16I	Yes	Yes
1756-OB16IEF ControlLogix digital I/O module	Partial	Partial
1756-OB16IEFS ControlLogix digital I/O module	Partial	Partial
1756-OB16IS	Yes	Yes
1756-OB32	Yes	Yes

Catalog Number or Product Family	RDF support	AML support
1756-OB8	Yes	Yes
1756-OB8EI	Yes	Yes
1756-OB8I	No	No
1756-OC8	Yes	Yes
1756-OF4	Yes	Yes
1756-OF6CI	No	No
1756-OF6VI	No	No
1756-OF8	Yes	Yes
1756-OF8H	Yes	Yes
1756-OF8I ControlLogix analog I/O module	Partial	Partial
1756-OF8IH ControlLogix analog I/O module	Partial	Partial
1756-OG16	Yes	Yes
1756-OH8I	Yes	Yes
1756-ON8	Yes	Yes
1756-OV16E	Yes	Yes
1756-OV32E	Yes	Yes
1756-OW16I	Yes	Yes
1756-OX8I	Yes	Yes
1756-PA72	Yes	Yes
1756-PA75	Yes	Yes
1756-PA75R	Yes	Yes
1756-PAR	Yes	Yes
1756-PAR2	Yes	Yes
1756-PAXT	Yes	Yes
1756-PB72	Yes	Yes
1756-PB75	Yes	Yes
1756-PB75R	Yes	Yes
1756-PBR	Yes	Yes
1756-PBR2	Yes	Yes
1756-PBXT	Yes	Yes
1756-PLS	No	No
1756-PPMPC	No	No
1756-RIO ControlLogix communication module	Partial	Partial
1756-RM*	No	No
1756sc-CTR8	No	No
1756sc-CT32	No	No
1756sc-IF8H	No	No
1756sc-IF8U	No	No
1756sc-OF8H	No	No
1756-SYNCH ControlLogix communication module	No	No

[1] Safety level properties not supported.

[2] Other networks trunk not supported

[3] Chassis power supply configuration not included.

* All devices of type

1757

Data exchange is not supported for 1757 devices.

1768 CompactLogix

Data exchange support for 1768 CompactLogix devices:

1768 CompactLogix

Catalog Number or Product Family	RDF support	AML support
1768 CompactLogix controllers, banks, power supplies and modules	Yes	Partial[1]
1768-L43 CompactLogix modules	No	No
1768-L43 DIN rail	No	No
1768-L43S	No	No
1768-L43S DIN rail	No	No
1768-L45 CompactLogix modules	No	No
1768-L45 DIN rail	No	No
1768-L45S	No	No
1768-L45S DIN rail	No	No
1768-CNB CompactLogix modules	No	No
1768-CNBR CompactLogix modules	No	No
1768-DIN CompactLogix modules	Yes	Yes
1768-ENBT CompactLogix modules	No	No
1768-EWEB CompactLogix modules	No	No
1768-MO4SE CompactLogix modules	No	No
1768-MODULE CompactLogix generic module	No	No
1768-PA3	Yes	Yes
1768-PB3	Yes	Yes

[1] Configuration relationships calculated during post-processing. Confirm that the configuration is correct before committing the project.

[2] RightRackSize property not supported.

1769 CompactLogix

Data exchange support for 1769 CompactLogix devices:

1769 CompactLogix

Catalog Number or Product Family	RDF support	AML support
1769 CompactLogix controllers, banks, and modules	Partial[1]	Partial[1]
1769 CompactLogix all digital I/O modules	Partial[1]	Partial[1]
1769 CompactLogix all analog I/O modules	Partial[1]	Partial[1]
1769 CompactLogix all specialty modules	Partial[1]	Partial[1]
1769 CompactLogix generic module	Partial[1]	Partial[1]
1769-L16ER-BB1B CompactLogix controller	Partial[1]	Partial[1]
1769-L18ER-BB1B CompactLogix controller	Partial[1]	Partial[1]
1769-L18ERM-BB1B CompactLogix controller	Partial[1]	Partial[1]
1769-L19ER-BB1B CompactLogix controller	Partial[1]	Partial[1]
1769-L20	No	No
1769-L23* CompactLogix controllers	Partial[1]	Partial[1]
1769-L24* CompactLogix controllers	Partial[1]	Partial[1]
1769-L27ERM-QBFC1B CompactLogix controllers	Partial[1]	Partial[1]

Catalog Number or Product Family	RDF support	AML support
1769-L30* CompactLogix controllers	Partial[1]	Partial[1]
1769-L31 CompactLogix controllers	No	No
1769-L32C CompactLogix controllers	No	No
1769-L32E CompactLogix controllers	No	No
1769-L33* CompactLogix controllers	Partial[1]	Partial[1]
1769-L35CR CompactLogix controller	No	No
1769-L35E CompactLogix controller	No	No
1769-L36* CompactLogix controllers	Partial[1]	Partial[1]
1769-L37* CompactLogix controllers	Partial[1]	Partial[1]
1769-L38*	Yes	Yes
1769-L40	No	No
1769-MODULE	No	No
1769sc-IF4IH	No	No
1769sc-IF8U	No	No
1769sc-IR6I	No	No
1769sc-IT6I	No	No
1769sc-OF4IH	No	No
1769-SDN CompactLogix communication module	No	No
1769-AENTR CompactLogix communication module	Partial[1]	Partial[1]

* All devices of type

[1] Configuration relationship between controller and its owned I/O or other types of modules not supported.

1771

Data exchange is not supported for 1771 devices.

1783 Stratix

Data exchange support for 1783 Stratix devices:

1783 Stratix

Catalog Number or Product Family	RDF support	AML support
1783 Stratix® 2000 switches	Yes	Yes
1783 Stratix® 5400 switches	Partial[1]	Partial[1]
1783 Stratix® 5700 switches	Partial[1]	Partial[1]
1783-BMS06*	Yes	Yes
1783-BMS010*	Yes	Yes
1783-BMS12T4E2CGL Stratix 5700 switch	Partial[1]	Partial[1]
1783-BMS12T4E2CGNK Stratix 5700 switch	Partial[1]	Partial[1]
1783-BMS12T4E2CGP Stratix 5700 switch	Partial[1]	Partial[1]
1783-BMS20*	Yes	Yes
1783-BMS4S2SGA Stratix 5700 switch	Partial[1]	Partial[1]
1783-BMS4S2SGL Stratix 5700 switch	Partial[1]	Partial[1]
1783 Stratix 6000 switches	Partial[1]	Partial[1]
1783 Stratix 8000 switches	Partial[1]	Partial[1]
1783 Stratix 8300 switches	Partial[1]	Partial[1]
1783-EMS04T	Partial[2]	Partial[2]
1783-EMS08T	Partial[2]	Partial[2]

Catalog Number or Product Family	RDF support	AML support
1783 Ethernet Taps	Partial[1]	Partial[1]
1783-HMS16T4CGN	Yes	Yes
1783-HMS16TG4CGN	Yes	Yes
1783-HMS16TG4CGR	Yes	Yes
1783-HMS4*	Yes	Yes
1783-HMS8*	Yes	Yes
1783-IMS28*	No	No
1783-LMS5	No	No
1783-LMS8	No	No
1783-MS06T	Yes	Yes
1783-MS06T plus 4-Port Expansion Module	No	No
1783-MS06T plus 4-Port in Expansion Modules 1 and 8-Port in Expansion Modules 2	No	No
1783-MS06T plus 8-Port in Expansion Module 1 and 4-Port Expansion Modules 2	No	No
1783-MS06T plus two 4-Port Expansion Modules	No	No
1783-MS10T	Yes	Yes
1783-MS10T plus 4-Port Expansion Module	No	No
1783-MS10T plus 4-Port Expansion Module 1 and 8-Port in Expansion Module 2	No	No
1783-MS10T plus 8-Port in expansion module 1 and 4-Port in Expansion Module 2	No	No
1783-MS10T plus two 4-Port Expansion Modules	No	No
1783-MX04*	Partial[3]	Partial[3]
1783-MX08*	Partial[3]	Partial[3]
1783-NATR	No	No
1783-RMS06T	Yes	Yes
1783-RMS06T plus 4-Port Expansion Module	No	No
1783-RMS06T plus 4-Port in Expansion Modules 1 and 8-Port in Expansion Modules 2	No	No
1783-RMS06T plus 8-Port in Expansion Module 1 and 4-Port Expansion Modules 2	No	No
1783-RMS06T plus two 4-Port Expansion Modules	No	No
1783-RMS10T	Yes	Yes
1783-RMS10T plus 4-Port Expansion Module	No	No
1783-RMS10T plus 4-Port Expansion Module 1 and 8-Port in Expansion Module 2	No	No
1783-RMS10T plus 8-Port in expansion module 1 and 4-Port in Expansion Module 2	No	No
1783-RMS10T plus two 4-Port Expansion Modules	No	No
1783-US03T01F	Partial[2]	Partial[2]
1783-US06T01F	Partial[2]	Partial[2]
1783-US5T	Partial[2]	Partial[2]
1783-US8T	Partial[2]	Partial[2]
1783-WAPxK9	No	No
1783-ZMS16TA	No	No
1783-ZMS24TA	No	No
1783-ZMS4T4E2TGN	No	No
1783-ZMS4T4E2TGP	No	No
1783-ZMS8T8E2TGN	No	No
1783-ZMS8T8E2TGP	No	No

Catalog Number or Product Family	RDF support	AML support
1783-ZMS8TA	No	No

[1] Configuration relationships are not supported. Relationship will be calculated by post-processing during import.

[2] Connections only

[3] Stratix expansion module

[*] All devices of type

1784

Data exchange is not supported for 1784 devices.

1785

Data exchange is not supported for 1785 devices.

1788

Data exchange is not supported for 1788 devices.

1789

Data exchange is not supported for 1789 devices.

1791DS

Data exchange is not supported for 1791DS devices.

1791ES

Data exchange is not supported for 1791ES devices.

1794 FLEX I/O

Data exchange support for 1794 FLEX™ I/O devices:

1794 FLEX I/O

Catalog Number or Product Family	RDF support	AML support
1794 FLEX I/O DIN, power supplies and modules	Partial[1]	Partial[1]
1794-ASB	No	No
1794-IF4ICF FLEX I/O module	Partial[1]	Partial[1]
1794-IF8IHNF FLEX I/O module	Partial[1]	Partial[1]
1794-FLA	No	No
1794-IB8S	No	No
1794-IE8H	Yesl[2]	Yesl[2]
1794-IJ2I	No	No
1794-L33	No	No
1794-L34	No	No
1794-OE8H/A	Yesl[3]	Yesl[3]
1794-PS1	Yes[4]	Yes[4]
1794-PS13	Yes[4]	Yes[4]
1794-PS3	Yes[4]	Yes[4]
1794TB*	Yes[5]	Yes[5]

[1] Configuration relationship between controller and owned IO modules not supported.

[2] As 1794-IE8H/B

[3] As 1794-OE8H/B

[4] Power Supply ignored

[5] Yes Flex Terminal Base unit ignored

[*] All devices of type

1797

Data exchange support for 1797 devices:

1797

Catalog Number or Product Family	RDF support	AML support
1797-ACNR15	Yes	Yes
1797-IBN16	No	No
1797-IE8*	No	No
1797-IJ2	No	No
1797-IRT8	No	No
1797-OB4D	No	No
1797-OE8	No	No
1797-PS*	Yes[1]	Yes[1]
1797-TB*	Yes[2]	Yes[2]

* All devices of type

[1] Power Supply ignored

[2] Terminal Base Unit ignored

1799

Data exchange is not supported for 1799 devices.

193/592

Data exchange is not supported for 193/592 devices.

20-750

Data exchange support for 20-750 devices:

20-750

Catalog Number or Product Family	RDF support	AML support
20-750-ENETR*	Yes	Yes
20-750-S*	Ye	Yes
20-750-S1*	Yes	Yes

* PowerFlex peripheral

5069 CompactLogix

Data exchange support for 5069 CompactLogix devices:

5069 CompactLogix

Catalog Number or Product Family	RDF support	AML support
5069 CompactLogix controllers, banks and modules	Partial[1]	Partial[1]
5069-AENTR	Partial[2]	Partial[2]
5069-AEN2TR communication module	Partial[2]	Partial[2]
5069-ARM	Yes	Yes
5069-ECR	Yes[3]	Yes[3]

Catalog Number or Product Family	RDF support	AML support
5069-FPD	Yes[4]	Yes[4]
5069 CompactLogix digital I/O modules	Partial[2]	Partial[2]
5069 CompactLogix analog I/O modules	Partial[2]	Partial[2]
5069 CompactLogix specialty modules	Partial[2]	Partial[2]
5069-L306* controllers	Yes	Yes
5069-L3100* controllers	Yes	Yes
5069-310* controllers	Yes	Yes
5069-L320ER* controllers	Partial[2]	Partial[2]
5069-L330ER* controllers	Yes	Yes
5069-L340ER* controllers	Yes	Yes
5069-L350ER* controllers	Yes	Yes
5069-L380ER* controllers	Yes	Yes
5069-L460ERMW controllers	Yes	Yes
5069-SERIAL	No	No

[1] DIN description not supported.

[2] Configuration relationships not supported. Relationship calculated by post-processing during import.

[3] End cap ignored.

[4] Power Supply ignored.

* All devices of type

5094 ArmorPoint ArmorStart Communication

Data exchange is not supported for 5094 devices.

Data exchange is not supported for ArmorPoint devices.

Data exchange is not supported for ArmorStart® devices.

Data exchange is not supported for these communication devices.

Communication

Catalog Number or Product Family	RDF support	AML support
100-1167-001	No	No
1440-ACNR	No	No
2PCA-7844-B101	No	No
56AMXN	No	No
ACT350 EtherNet/IP™	No	No
ACT350-2P EtherNet/IP	No	No
Bus Module	No	No
Checker 4G1	No	No
Checker 4G7	No	No
CompactBus	No	No
CONTROLNET-MODULE	No	No
DACS EtherNet/IP Adapter	No	No
DataMan 200 Series	No	No
DataMan 500 Series	No	No
DataMan 8000 Series	No	No

Catalog Number or Product Family	RDF support	AML support
DriveLogix5730 Ethernet Port	No	No
E1 Plus	No	No
EA3600 EtherNet/IP	No	No
EtherNet/IP	No	No
ETHERNET-BRIDGE	No	No
ETHERNET-MODULE	No	No
EX250-S*	No	No
EX260-SEN*	No	No
EX500-GEN1	No	No
FlexBus	No	No
HMS-EN2MB-R	No	No
HMS-EN2PB-R	No	No
HMS-EN2SE-R	No	No
IB-E01	No	No
IB-E03B	No	No
IB-E04F	No	No
ILX34-AENWG	No	No
ILX69-PBM	No	No
ILX69-PBS	No	No
IND131 EtherNet/IP	No	No
IND560 EtherNet/IP	No	No
IND570 EtherNet/IP	No	No
IND780 ControlNet	No	No
IND780 EtherNet/IP	No	No
In-Sight 1700 Series	No	No
In-Sight 3400 Series	No	No
In-Sight 5000 Series	No	No
In-Sight Micro Series	No	No
Link_OS_Printer	No	No
LMDrive	No	No
MVI56*	No	No
MVI69*	No	No
OCP-ETG	No	No
OCX-*	No	No
PCIe-ETAP	No	No
PCI-ETAP	No	No
RA56-ESA	No	No
RIO-ADAPTER	No	No
SLP85xD	No	No
SST-ESR2-C*	No	No
SST-PB3*-CPX	No	No
SST-PFB/PB3-CLX-RLL	No	No
SST-SR4-CLX-RLL	No	No
STB3574 EtherNet/IP	No	No
Stratix 8000*	No	No
Stratix 8300*	No	No
SWG70	No	No
Thyro*	No	No

Catalog Number or Product Family	RDF support	AML support
WHA-GW	No	No
WMF	No	No

* All devices of type

DPI to EtherNet/IP Drive

Data exchange is not supported for DPI™ to EtherNet/IP devices.

Data exchange is not supported for these drives.

Drives

Catalog Number or Product Family	RDF support	AML support
1305-ACDrive-CN1	No	No
1305-ACDrive-EN1	No	No
1336E-IMPACTDrive-CN1	No	No
1336E-IMPACTDrive-EN1	No	No
1336F-PLUSIIDrive-CN1	No	No
1336F-PLUSIIDrive-EN1	No	No
1336R-REGENBrake-CN1	No	No
1336R-REGENBrake-EN1	No	No
1336S-PLUSDriveLG-CN1	No	No
1336S-PLUSDriveLG-EN1	No	No
1336S-PLUSDriveSM-CN1	No	No
1336S-PLUSDriveSM-EN1	No	No
1336T	No	No
1336T-FORCEDriveCNA-CN1	No	No
1336T-FORCEDriveCNA-EN1	No	No
1336T-FORCEDrivePLC-CN1	No	No
1336T-FORCEDrivePLC-EN1	No	No
1336T-FORCEDriveStd-CN1	No	No
1336T-FORCEDriveStd-EN1	No	No
1394C-SJT05-D	No	No
1394C-SJT10-D	No	No
1394C-SJT22-D	No	No
1395	No	No
1397DigitalDCDrive-CN1	No	No
1397DigitalDCDrive-EN1	No	No
150-SMC Flex-C	No	No
150-SMC Flex-E	No	No
150-SMC Flex-ER	No	No
150-SMC Flex-Q	No	No
150-SMCDialogPlus--CN1	No	No
150-SMCDialogPlus--EN1	No	No
2098-DSD*	No	No
2099-BM*	No	No
2364F-RGU*	No	No

Catalog Number or Product Family	RDF support	AML support
8720MC*	No	No
Drives AOP Infrastructure	No	No
FLEX-MODULE	No	No
Generic SERCOS Drive	No	No
GV3000	No	No
Multi-Drive-25-COMM-E2P	No	No
Rockwell Automation UDC AOP Infrastructure	No	No
SMC-50*	No	No
WebPak 3000	No	No

*All devices of type

Embedded

Data exchange support for embedded devices:

Embedded

Catalog Number or Product Family	RDF support	AML support
Embedded Compact, analog, output	No	No
Embedded POINT I/O™	Yes	Yes
Embedded Compact, specialty	No	No
Embedded Compact, digital, input, output	No	No
Embedded HSC	Yes	Yes
Embedded IF4XOF2	Yes	Yes
Embedded IQ16F	Yes	Yes
Embedded OB16	Yes	Yes

Energy Management Products

Data exchange is not supported for energy management products.

HMI

Data exchange is not supported for HMI devices.

Kinetix

Data exchange support for Kinetix® devices:

Kinetix

Catalog Number or Product Family	RDF support	AML support
2093-AC05*	No	No
2093-AM*	No	No
2094-AC*	No	No
2094-AM*	No	No
2094-BC*	No	No
2094-BM*	No	No
2094-EN02D-M01*	No	No
2094-SE02F-M00-S0/2094-AC*	No	No
2094-SE02F-M00-S0/2094-AM*	No	No

Catalog Number or Product Family	RDF support	AML support
2094-SE02F-M00-S0/2094-BC*	No	No
2094-SE02F-M00-S0/2094-BM*	No	No
2094-SE02F-M00-S1/2094-AC*	No	No
2094-SE02F-M00-S1/2094-AM*	No	No
2094-SE02F-M00-S1/2094-BC*	No	No
2094-SE02F-M00-S1/2094-BM*	No	No
2094--SEPM-B24-S	No	No
Kinetix 300 servo drives	Partial[1]	Partial[1]
Kinetix 350 servo drives	Partial[1]	Partial[1]
Kinetix 5500 servo drives	Partial[1 2]	Partial[1 2]
Kinetix 5700 servo drives	Partial[1 2]	Partial[1 2]
MDx-SB1003P-Qxx*	No	No

*All devices of type

[1] Configuration relationships not supported. Relationship calculated by post-processing during import.

[2] Motion group property not supported by AML.

Motion

Data exchange is not supported for these motion devices.

Motion

Catalog Number or Product Family	RDF support	AML support
2094-SEPM-B24-S	No	No
842-CM-M	No	No

MPI to EtherNet/IP PowerFlex

Data exchange is not supported for MPI to EtherNet/IP devices.

Data exchange support for PowerFlex devices:

PowerFlex

Catalog Number or Product Family	RDF support	AML support
22C...	No	No
22N...	No	No
25*	Yes	Yes
PowerFlex 523 drives	Partial[1 2]	Partial[1 2]
PowerFlex 525 drives	Partial[1 3]	Partial[1 3]
PowerFlex 527-STO CIP Safety™ drive	Partial[1]	Partial[1]
PowerFlex 700	No	No
PowerFlex 753 drives	Partial[1 4]	Partial[1 4]
PowerFlex 755 drives	Partial[1 5]	Partial[1 5]
DriveLogix™ 57*	No	No
PowerFlex 4 Class Multi*	No	No
PowerFlex 400*	No	No

Catalog Number or Product Family	RDF support	AML support
PowerFlex 40*	No	No
PowerFlex 4*	No	No
PowerFlex 523-C	No	No
PowerFlex 523-E*	Yes	Yes
PowerFlex 525-C	No	No
PowerFlex 525-E*	Yes	Yes
PowerFlex 527-STO CIP Safety	Yes	Yes
PowerFlex 70 ED*	No	No
PowerFlex 700 AC*	No	No
PowerFlex 700 Vector*	No	No
PowerFlex 7000*	No	No
PowerFlex 700*	No	No
PowerFlex 70*	No	No
PowerFlex 753-CNETC	No	No
PowerFlex 753-ENETR	Yes	Yes
PowerFlex 753-NET-C	No	No
PowerFlex 753-NET-E	Yes	Yes
PowerFlex 753-NET-Q	No	No
PowerFlex 755 HiPwr-PMM-EENET	No	No
PowerFlex 755 HiPwr-CNETC	No	No
PowerFlex 755 HiPwr-EENET	Yes	Yes
PowerFlex 755 HiPwr-ENETR	Yes	Yes
PowerFlex 755 HiPwr-NET-C	No	No
PowerFlex 755 HiPwr-NET-E	Yes	Yes
PowerFlex 755 HiPwr-NET-Q	No	No
PowerFlex 755 PMM-EENET	No	No
PowerFlex 755-CNETC	No	No
PowerFlex 755-EENET*	Yes	Yes
PowerFlex 755-ENETR	Yes	Yes
PowerFlex 755 HiPwr-EENET-CM*	Yes	Yes
PowerFlex 755-NET-C	No	No
PowerFlex 755-NET-E	Yes	Yes
PowerFlex 755-NET-Q	No	No
PowerFlex 755T*	No	No
PowerFlex 755 DC FC*	No	No
PowerFlex 755 DC*	No	No

Catalog Number or Product Family	RDF support	AML support

*All devices of type

[1] Configuration properties not fully supported.

[2] PowerFlex 523-E2P drive imports as a type PowerFlex 523-E drive but includes the PowerFlex 523-E2P description in the configuration properties.

[3] PowerFlex 525-E drive imports as a type PowerFlex 523-E drive and includes the PowerFlex 523-E description in the configuration properties.

PowerFlex 525-E2P drive imports as a type PowerFlex 525-EENET drive but includes the PowerFlex 525-E2P description in the configuration properties.

PowerFlex 525-EENET-Multi drive imports as a type PowerFlex 525-EENET drive but includes the PowerFlex 525-EENET-Multi description in the configuration properties.

[4] PowerFlex 753-NET-E drive imports as a type PowerFlex 753-ENETR drive but includes the PowerFlex 753-NET-E description in the configuration properties.

[5] PowerFlex 755 HiPwr-ENETR2 drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755 HiPwr-ENETR description in the configuration properties.

PowerFlex 755 HiPwr-NET-E drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755 HiPwr-NET-E description in the configuration properties.

PowerFlex 755-EENET drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-EENET description in the configuration properties.

PowerFlex 755-ENETR drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-ENETR description in the configuration properties.

PowerFlex 755-EENET-CM drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-EENET-CM description in the configuration properties.

PowerFlex 755-EENET-CM -S drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-EENET-CM-S description in the configuration properties.

PowerFlex 755-EENET-CM-S1 drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-EENET-CM-S1 description in the configuration properties.

PowerFlex 755-HiPwr-EENET-CM drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-HiPwr-EENET-CM description in the configuration properties.

PowerFlex 755-HiPwr-EENET-CM-S drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-HiPwr-EENET-CM-S description in the configuration properties.

PowerFlex 755-HiPwr-EENET-CM-S1 drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-HiPwr-EENET-CM-S1 description in the configuration properties.

PowerFlex 755-NET-E drive imports as a type PowerFlex 755 HiPwr-EENET drive but includes the PowerFlex 755-NET-E description in the configuration properties.

Specialty

Data exchange is not supported for these specialty devices.

Specialty

Catalog Number or Product Family	RDF support	AML support
124x	No	No
1440-DYN02-01RJ	No	No
1444-DYN04-01RA	No	No
1642	No	No
2198-ABQE	No	No
3202	No	No
3204	No	No
3401 - 3401L	No	No

Catalog Number or Product Family	RDF support	AML support
3601	No	No
3602 - 3602D	No	No
48MS-SN1PF1-M2	No	No
48MS-SN1PF2-M2	No	No
56RF-IN-IP*	No	No
5XRF_IN_IP	No	No
7662	No	No
842E-M	No	No
842E-S	No	No
A3XX	No	No
ACU	No	No
AX8	No	No
FANUC CNC*	No	No
FANUC Robot	No	No
FANUC Robt R30iB Plus	No	No
HI1734-WS	No	No
HI1756-xDF	No	No
HI1756-xFC	No	No
HI1756-xWS	No	No
HI1769-xFC	No	No
HI1769-xWS	No	No
Liquiline_CA80xx	No	No
Liquiline_CM44x	No	No
Liquistation_CSFxx	No	No
Memograph_M_RSG45	No	No
Onyx-S/SC2	No	No
Promag*	No	No
Promass*	No	No
* All devices of type		

Other

Data exchange support for other devices:

Other

Catalog Number or Product Family	RDF support	AML support
Logix Designer projects	Partial[1]	Partial[1]
Generic switches	Yes	Yes
Ethernet switches - Generic	Yes	Yes
Generic computers	Partial[2]	Partial[2]
PanelView Plus graphic terminals	Yes	Yes
MobileView mobile terminals	Yes	Yes
FactoryTalk View applications or servers	No	No
Graphics	No	No
Files	No	No
Text Boxes	No	No

Catalog Number or Product Family	RDF support	AML support
Shapes	No	No
Links	No	No
Combination Generator Control Module	No	No
Combination Generator Control Module, 2-Port	No	No
Powermonitor1000	No	No
1557...	No	No
20-COMM-E	Yes[3]	Yes[3]
22-COMM-E	Yes[3]	Yes[3]
2706-PENETX	No	No
440C-CR30-22BBB	No	No
CEP7-ETN	No	No
CIP-MODULE	No	No
DEVICENET-SAFETYMODULE	No	No
DPI-DRIVE-PERIPHERAL-MODULE	No	No
DSI-DRIVE-PERIPHERAL_MODULE	No	No
Emulate 5570	No	No
ETHERNET-SAFETYMODULE	No	No
ETHERNET-SAFETY-STANDARD-MODULE	No	No
FLEX_MODULE	No	No
Generic Computer	Yes[4]	Yes[4]
Generic Switch	Yes[5]	Yes[5]
L2yEmbedded Analog_IO	Yes[6]	Yes[6]
L2yEmbedded Counters	Yes[7]	Yes[7]
L2yEmbedded Discrete_IO	Yes[8]	Yes[8]
Logix Block	No	No
MDCOMM-ENET	No	No
RHINOBP-DRIVE-PERIPHERAL-MODULE	Yes[3]	Yes[3]
RIO-MODULE	No	No
RSLinx®	No	No
SCANport-DRIVE-PERIPHERAL-MODULE	No	No
VersaView® CE*	No	No
Other Networks	Yes	No

[1] Project must not include any unsupported devices. Data imported subject to the limitations on included devices.

[2] The computer name property of the generic computer object not supported for AML export or import. Assigns a default name to the generic computer object during import that can be updated after the import is complete.

[3] PowerFlex peripheral.

[4] Computer ignored.

[5] Connections only.

[6] As 1.10.164

[7] As 1.109.71

[8] AS 1.7.64

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Rockwell Automation support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, and product notification updates.	rok.auto/support
Knowledgebase	Access Knowledgebase articles.	rok.auto/knowledgebase
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	rok.auto/pcdc

Documentation feedback

Your comments help us serve your documentation needs better. If you have any suggestions on how to improve our content, complete the form at rok.auto/docfeedback.

Waste Electrical and Electronic Equipment (WEEE)

At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental information on its website at rok.auto/pec.

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