Operating Instruction Manual

SYCON.net YOKOGAWA

Frame Application A2LP131

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1 Introduction

1.1 About this Manual

The configuration software SYCON.net-A2LP/YOKO described here is a standalone program and is based on the FDT specification 1.2 (Field Device Tool Specification). However, this program is only for YOKOGAWA.

A2LP131 is the PROFINET IO Controller Communication Module for CENTUM engineering tool by YOKOGAWA.

"YOKOGAWA" means Yokogawa Electric Corporation.

1.1.1 Overview

The table below gives an overview of the descriptions provided in this manual:

Section	Subsection	Manual Page
Menus	*The Menu Bar*	*10*
	Toolbars	*10*
How to use	*Start Program*	*13*
	Save Projects	*15*

Table 1: Overview

1.1.2 List of Revisions

Index	Date	Version	Component	Chapter	Revision
1	2018-12-17	1.610	Yokogawa SYCON.net netFrame	all	Created

1.1.3   Conventions in this Manual

Notes, operation instructions and results of operation steps are marked as follows:

Notes

Important: <important note you must follow to avoid malfunction>

Note: <general note>

<note, where to find further information>

Operation Instructions

1.   <instruction>
2.   <instruction>

or

➢   <instruction>

Results

✎   <result>

1.2 Documentation Overview

The following table lists the documents for SYCON.net-A2LP/YOKO for A2LP131:

Content	Document Name
General description of netFrame: Description of the output window, menus and toolbars.	SYCONnet netFrame YOKOGAWA A2LP131 OI xx EN.pdf
General description of netDevice. Graphical network view, device catalog and the project tree. Description of ▪ menus, ▪ context menus, ▪ insert device, cut/copy/paste device, additional functions (print), delete device, ▪ symbolic name, ▪ network menu, ▪ network toolbar. Getting started/Configuration steps. How to add a device description. Working with bus lines.	SYCONnet netFrame YOKOGAWA A2LP131 OI xx EN.pdf
Description of the configuration dialogs to configure the PROFINET IO Controller. Getting started/Configuration steps. Configuration of the controller ▪ Controller network settings, ▪ Device table, ▪ IP address table, ▪ Process data, ▪ Stations timing, ▪ Address table, ▪ FSU-/port-settings, ▪ Controller settings	PROFINET IO Controller YOKOGAWA A2LP131 DTM OI xx EN.pdf
Description of the configuration dialogs to configure the PROFINET IO device. Getting started/Configuration steps. Configuration of the device ▪ General, ▪ Modules and parameters.	YOKOGAWA PROFINET IO Generic Device DTM no PROFIsafe IO xx EN.pdf
Topology Editor MRP configuration	Topology Editor A2LP131 OI xx EN.pdf

Table 2: Documentation Overview

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2 Windows and Menus

2.1 Output Window

The **Output Window** contains index cards, which indicate:

- Information, warnings and error messages in plain text.

- The numbers of the index card are installation qualified.

Figure 1: Output Window

The following icons can be found in the **Output Window** above. They symbolize the failure class.

② IMPORTANT	Icon appears if an important failure is detected.
① WARNING	Icon appears in case of a warning.
ⓘ INFORMATION	Used for informational purposes.
✓ SUCCESS	Program step was executed without failure.
✗ FATAL	Program step was executed with a fatal fault; task following the icon did not complete.

→ **Note:** The executed program task is described in the **Output Window** besides the icon.

2.2 The Menu Bar

The menu bar of the configuration software contains pull down menus, via which all available program functions can be called up.
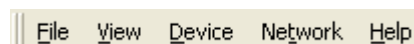

Figure 2: Menu bar

→ **Note:** The two menus **Device** and **Network** are not a function of the frame application, but dynamic menus of the FDT of container netDevice. That means these menus are only faded in the menu bar, if the windows **netProject** or **netDevice** of the FDT container are activated.

2.2.1 File

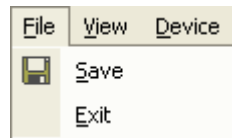The **File** menu contains functions for working on projects.

Figure 3: Menu File

Menu	Meaning
Save	Saves the actual configuration.
Exit	Closes the program. If changes of the project file are not stored yet, a dialog appears which requests the user to save the project before ending.

Table 3: Menu File

2.2.2 View

The frame application offers several possibilities for the arrangement and representation of the projects. In the menu **View** the individual tool bars and windows can be faded in and/or out.

Actual indicated tool bars and/or windows are marked in the **View** menu by a checkmark.

Note: The representation in the menu **View** is dynamic. That means it depends on the components which were installed during installation.

2.2.3   Help

The menu **Help** contains both the documentation about the frame application as well as general information about the software and a reference to the homepage of the manufacturer.
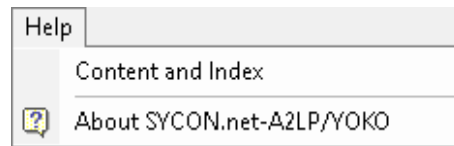

Figure 4: Menu Help

Menu	Meaning
Content and Index	Refers to the PDF: Please read separate PDF manual.
About SYCON.net-A2LP/YOKO	Information about the program version (build).

Table 4: Menu Help

2.2.3.1   About

Shows the version of the frame application.

2.3 Toolbars

Frequently used menu functions are united in toolbars:

2.3.1 Standard Toolbar

The **Standard** toolbar contains the functions (from left to the right)

- **File > Save**
- **Help > Info**

It is displayed or hidden via the menu **View > Standard**.

Figure 5: Standard Toolbar

2.3.2 Preset Toolbar

The **Preset** toolbar gives the possibility to call up to four different representations variants for a project.

The respective representation is always stored in the active view. The last representation in the respective view is called up by selecting another representation.

Figure 6: Preset Toolbar

➢ A right click on the Preset toolbar allows changing different view of the open project

2.3.3 Network Toolbar

It is possible that toolbars from further installed components are displayed in the frame application.

For example the frame application indicates a network toolbar, which is displayed and/or hidden via the menu **View > Network**, if the netDevice component is installed.

The toolbar **Network** contains the functions (from left to the right):

- **Network > Add busline,**

- **Network > Delete last busline and**
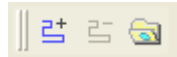
- **Network > Device Catalog**

Figure 7: Network Toolbar

Note: The **Network** toolbar is enabled, if the focus is put on the **netDevice** or **netProject** window.

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3 Working with the Frame Application

3.1 Start Program with a Project

SYCON.net is started from the YOKOGAWA engineering tool.

3.2 Create New Project / Open Existing Project

To create a new project or open an existing project is selected in the YOKOGAWA engineering tool.

3.3 Save Projects

Via the menu **File > Save** or via the symbol 💾 a project can be saved.

If the program is exit and the current configuration does not agree with the last saved configuration, the following question appears:
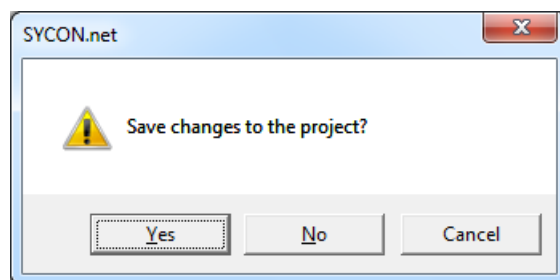

Figure 8: Security Question - Save Project

If you answer this question with **Yes**, the project data are stored. If you answer this question with **No**, the changed project data are rejected.

The saving procedure is aborted by clicking the **Cancel** button and the project data is not stored.

4   Appendix

4.1   User Rights

User-rights are set within the FDT-container.

Note: Administrator rights are always used.

4.2   References

[1]   Device Type Manager (DTM) Style Guide, Version 1.0 ; FDT-JIG - Order No.
       <0001-0008-000>

4.3   List of Figures

4.4   List of Tables

4.5   Glossary

DTM

Device Type Manager.

The Device Type Manager (DTM) is a software module with graphical user interface for the configuration or for diagnosis of device.

FDT

Field Device Tool

FDT specifies an interface, in order to be able to use DTM (Device Type Manager) in different applications of different manufacturers.

4.6   Contacts

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