

# Sysmac Library for NJ/NX/NY Controller

SYSMAC-XR017

## SLMP Communications Library



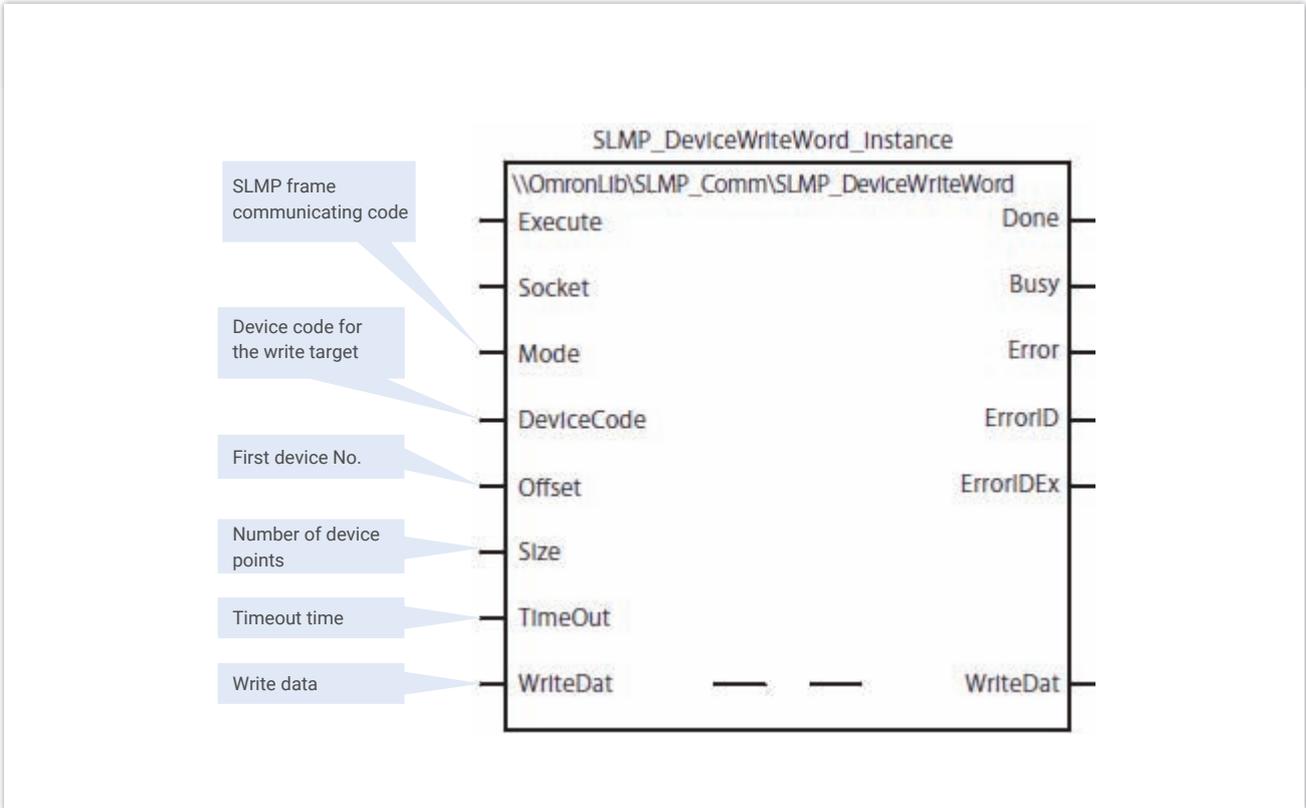
✓ **Connect the Controller made by OMRON Corporation to the existing Sequencer made by Mitsubishi Electric Corporation**

**Issue**

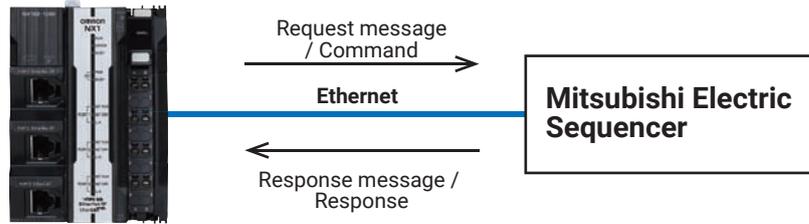
To install the Controller made by OMRON Corporation, connecting to the existing Sequencer made by Mitsubishi Electric Corporation is required. But it takes time to create communications programs.

### SLMP Communications Library offers solution!

The SLMP Communications Library is the collection of software functional components to control communications using the SLMP communications protocol. A Controller made by OMRON Corporation can be integrated into a network composed the Sequencer made by Mitsubishi Electric Corporation easily. This library has been certified as SLMP.



## System Configurations



### Compatible Models OMRON Corporation

Name	Model	Version
Machine Automation Controller NJ/NX CPU Unit	NX701-1□□□	Version 1.18 or later
	NX1P2-□□□□□□(1)	
	NJ501-□□□□	
	NJ301-□□□□	
	NJ101-□□□□	
	NX102-□□□□	Version 1.30 or later
	NX502-□□□□	Version 1.60 or later
Industrial PC Platform NY IPC Machine Controller	NY5□□-1	Version 1.18 or later
	NY5□□-5	
Automation Software Sysmac Studio	SYSMAC-SE2□□□	Version 1.23 or higher

### Mitsubishi Electric Corporation

Name	Model
Sequencer	MELSEC iQ-R series MELSEC-Q/L series MELSEC iQ-F series

### Function Block (FB) Specifications

Name	FB name		Description
	TCP socket service	UDP socket service	
Device Read	SLMP_DeviceRead	SLMP_DeviceRead_UDP	Reading values from the specified device is possible. The read position, size, and type(word, bit) can be specified.
Device Write	SLMP_DeviceWriteWord, SLMP_DeviceWriteBool	SLMP_DeviceWriteWord_UDP, SLMP_DeviceWriteBool_UDP	Writing values to the specified device is possible. The write position and size can be specified.
Send Command	SLMP_SendCmd	SLMP_SendCmd_UDP	Users can send any commands to sequencers by creating request headers and request data.

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**Note: Do not use this document to operate the Unit.**

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