

Sysmac Library for NJ/NX/NY Controller

SYSMAC-XR019

RFID Communication Library



Improve efficiency and set up traceability facilities using RFID

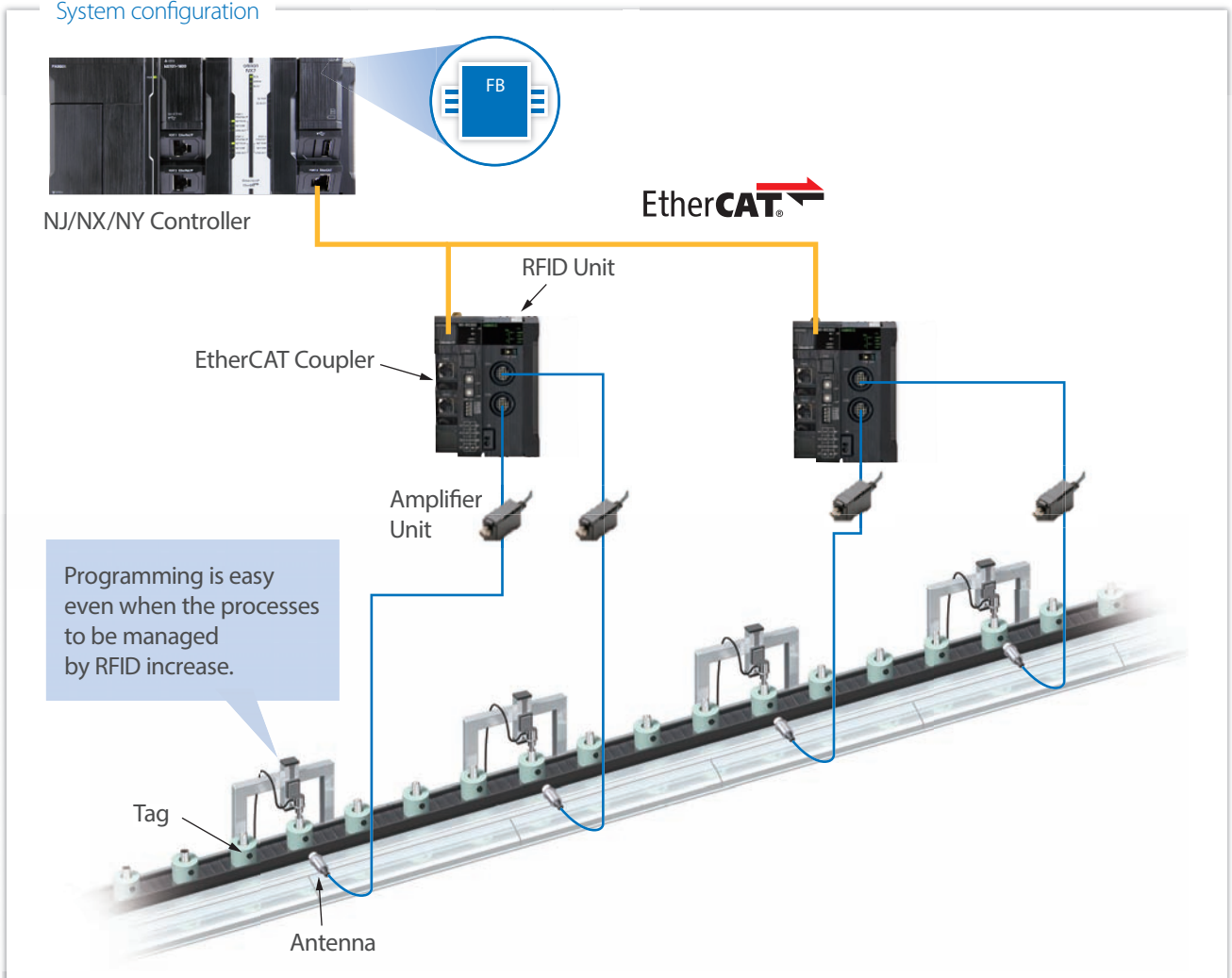
Issue

When reading or writing data of RF tags, programming of the entire procedure for communication with the RFID unit is required, consuming large amounts of time for programming and debugging.

RFID Communication Library offers a solution!

With “Data read FB/Data write FB”, programming of the procedure for communication with the RFID units from the beginning is no longer required. This greatly reduces the time spent on programming and debugging.

System configuration

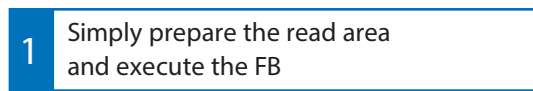
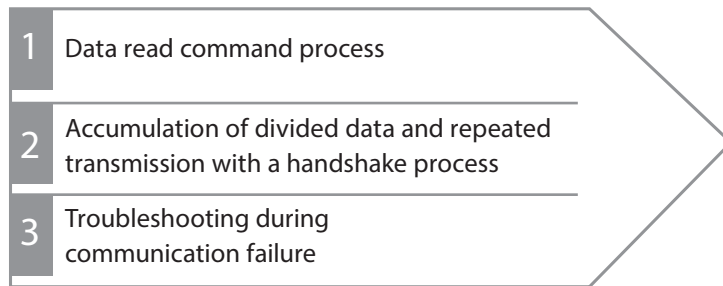


Why the RFID Communication Library is able to reduce time spent on programming and debugging

Example: Reading high-capacity data

From Create a **3-step** process in the user program

To Completed in **1 step**



Compatible Models

Item	Name	Model	Version
Sysmac Library	NX-V680 Library	SYSMAC-XR019	Version 1.0.0 or later
Automation Software	Sysmac Studio	SYSMAC-SE□□□□	Version 1.23 or later
Device	CPU Unit	NX701-1□□□	Version 1.18 or later
		NJ101-□□□□	
		NJ501-□□□□	Version 1.18 or later
		NJ301-□□□□	
		NX1P2-□□□□□□(1)	
	NX102-□□□□	Version 1.30 or later	
	NX502-□□□□	Version 1.60 or later	
Industrial PC		NY5□□-1□□□□/NY5□□-5□□□	Version 1.18 or later
NX Series RFID Unit		NX-V680C□	Version 1.0 or later

Function Block (FB) Specifications

Name	FB name	Description
RF Tag data read for V680	ReadData_V680	This command reads data from the memory of an RF Tag in the communications range of the antenna.
RF Tag data write for V680	WriteData_V680	This command writes data to the memory of an RF Tag in the communications range of the antenna.

Sysmac is a trademark or registered trademark of OMRON Corporation in Japan and other countries for OMRON factory automation products. EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany. EtherNet/IP™ is a trademark of ODVA. Other company names and product names in this document are the trademarks or registered trademarks of their respective companies.

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

OMRON Corporation Industrial Automation Company

Kyoto, JAPAN

Contact : www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.

Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31) 2356-81-300 Fax: (31) 2356-81-388

OMRON ELECTRONICS LLC

2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.
Tel: (1) 847-843-7900 Fax: (1) 847-843-7787

OMRON ASIA PACIFIC PTE. LTD.

438B Alexandra Road, #08-01/02 Alexandra
Technopark, Singapore 119968
Tel: (65) 6835-3011 Fax: (65) 6835-3011

OMRON (CHINA) CO., LTD.

Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-6023-0333 Fax: (86) 21-5037-2388

Authorized Distributor:

©OMRON Corporation 2018-2023 All Rights Reserved.
In the interest of product improvement,
specifications are subject to change without notice.

CSM_1_3

Cat. No. P136-E1-03 0523(1018)