OMRON

Programmable Terminal

NA-series Soft-NA

User's Manual

NA-RTLD





V126-E1-05

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Introduction

Thank you for purchasing a Soft-NA.

This manual contains information that is necessary to use the Soft-NA. Please read this manual and make sure you thoroughly understand the functionalities and performance of the NA-series Programmable Terminal before you attempt to use it for constructing the system.

Keep this manual in a safe place where it will be available for reference during operation.

This manual mainly describes the portions that are different from the NA5- \Box W \Box \Box \Box (-V1).

Intended Audience

This manual is intended for the following personnel, who must also have knowledge of electrical systems (an electrical engineer or the equivalent).

- · Personnel in charge of introducing FA systems.
- · Personnel in charge of designing FA systems.
- Personnel in charge of installing and maintaining FA systems.
- Personnel in charge of managing FA systems and facilities.

Applicable Products

This manual is applicable to the following products.

Soft-NA

Relevant Manuals

The basic information required to use an NA-series PT is provided in the following manuals.

- NA-series Programmable Terminal Hardware(-V1) User's Manual (Cat. No. V125)
- NA-series Programmable Terminal Software User's Manual (Cat. No. V118)
- NA-series Programmable Terminal Device Connection User's Manual (Cat. No. V119)
- NA-series Programmable Terminal Soft-NA User's Manual (Cat. No. V126)

Operations are performed from the Sysmac Studio Automation Software.

Refer to the *Sysmac Studio Operation Manual Version 1* (Cat. No. W504) for information on the Sysmac Studio.

Other manuals may be referenced for specific system configurations and applications.

Manual Structure

Page Structure and Markings

The following page structure is used in this manual.



Note This illustration is provided only as a sample. It may not literally appear in this manual.

lcons

The icons used in this manual have the following meanings.

Precautions for Safe Use

Precautions on what to do and what not to do to ensure safe usage of the product.

Precautions for Correct Use

Indicates precautions on what to do and what not to do to ensure proper operation and performance.



Additional Information

Additional information to read as required.

This information is provided to increase understanding or make operation easier.



Version Information

Information on differences in specifications and functionality with different versions is given.

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Warranty, Limitations of Liability

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Safety Precautions

Definition of Precautionary Information

The following notation is used in this manual to provide precautions required to ensure safe usage of the Soft-NA. The safety precautions that are provided are extremely important to safety. Always read and heed the information provided in all safety precautions.

The following notations are used.



Precautions for Correct Use

Indicates precautions on what to do and what not to do to ensure proper operation and performance.

Symbols



The circle and slash symbol indicates operations that you must not do. The specific operation is shown in the circle and explained in text. This example indicates prohibiting disassembly.



The triangle symbol indicates precautions (including warnings). The specific operation is shown in the triangle and explained in text. This example indicates a general precaution.



The filled circle symbol indicates operations that you must do. The specific operation is shown in the circle and explained in text. This example shows a general precaution for something that you must do.

WARNING

Always ensure that the person in charge confirms that installation, inspection, and maintenance were properly performed for the Soft-NA.

"Person in charge" refers to individuals qualified and responsible for ensuring safety during machine design, installation, operation, maintenance, and disposal.

Ensure that installation and post-installation checks of the Soft-NA are performed by persons in charge who possess a thorough understanding of the machinery to be installed.

Do not use input functions such as the touch panel or function keys of the Soft-NA in applications that involve human life or that may result in serious injury, or for emergency stop switches.

When you use the touch panel as the input device of the Soft-NA, do not press two points or more on the touch panel at the same time. Touching two points or more interrupts normal touch panel operations.

Security Measures

Anti-virus protection

Install the latest commercial-quality antivirus software on the computer connected to the control system and maintain to keep the software up-to-date.

Security measures to prevent unauthorized access

Take the following measures to prevent unauthorized access to our products.

- Install physical controls so that only authorized personnel can access control systems and equipment.
- Reduce connections to control systems and equipment via networks to prevent access from untrusted devices.
- Install firewalls to shut down unused communications ports and limit communications hosts and isolate control systems and equipment from the IT network.
- · Use a virtual private network (VPN) for remote access to control systems and equipment.
- Adopt multifactor authentication to devices with remote access to control systems and equipment.
- · Set strong passwords and change them frequently.
- Scan virus to ensure safety of USB drives or other external storages before connecting them to control systems and equipment.

Data input and output protection

Validate backups and ranges to cope with unintentional modification of input/output data to control systems and equipment.

- · Checking the scope of data
- Checking validity of backups and preparing data for restore in case of falsification and abnormalities
- Safety design, such as emergency shutdown and fail-soft operation in case of data tampering and abnormalities

Data recovery

Backup data and keep the data up-to-date periodically to prepare for data loss.

When using an intranet environment through a global address, connecting to an unauthorized terminal such as a SCADA, HMI or to an unauthorized server may result in network security issues such as spoofing and tampering. You must take sufficient measures such as restricting access to the terminal, using a terminal equipped with a secure function, and locking the installation area by yourself.

When constructing an intranet, communication failure may occur due to cable disconnection or the influence of unauthorized network equipment. Take adequate measures, such as restricting physical access to network devices, by means such as locking the installation area.

When using a device equipped with the SD Memory Card function, there is a security risk that a third party may acquire, alter, or replace the files and data in the removable media by removing the removable media or unmounting the removable media.

Please take sufficient measures, such as restricting physical access to the Controller or taking appropriate management measures for removable media, by means of locking the installation area, entrance management, etc., by yourself.



Safety Precautions











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Precautions for Safe Use

Precaution

- When connecting to devices, or setting up the PC on which the Soft-NA is to be installed, thoroughly read the related manuals as well.
- · Follow the general usage method of Windows.
- Do not install unnecessary applications on the PC on which the Soft-NA is to be installed.
- End all other applications that are not directly related to the use of the Soft-NA.
- If the hard disk or printer connected to the PC is being shared with another PC over the network, cancel the sharing.
- The whole system may stop depending on how the Soft-NA is started or exited. Start and exit the Soft-NA according to the specified procedure.
- To ensure the system's safety, before running the system, make sure to incorporate a program that periodically calls the operating signal at the host side and can confirm that the Soft-NA is operating normally.
- Do not perform any undesired operations on the input device when the backlight is not lit or when the display does not appear.
- When shutting down or restarting your PC, or switching the Windows user, be sure to first confirm the safety of the system.
- Initialize the project after confirming that the project being used is backed up at the Sysmac Studio side.
- Exit the Soft-NA according to the specified procedure. While the Soft-NA is running, do not forcibly exit it from the Task Manager or turn off the power supply of the PC without shutting down Windows. Information such as history and settings will not be saved correctly, which may result in an error when the Soft-NA is starting up next time and startup to become no longer possible.
- Configure the system so that Windows will shut down properly in the event of a power interruption occurring on the PC on which the Soft-NA is used.
- While uploading or downloading a project or a system program, do not perform the following operations. Such operations may corrupt the project or the system program.
 - · Forcibly exiting the Soft-NA
 - Removing the USB Memory or SD memory card
 - Disconnecting the communication path between the support software and Soft-NA
- Start actual system application only after confirming normal operation of the system including storage medium such as USB memory and SD memory card.
- Do not perform the following operations when accessing USB devices or SD memory card.
 - · Exiting the Soft-NA
 - · Pulling out the USB devices or SD memory card
- Start actual system application only after sufficiently checking project, subroutine and the operation of the program at the connected device side.
- If you use multithread execution of subroutines, start the actual system application only after sufficiently checking the operation of the program for multithread execution.
- To safely use the numeric input function, be sure to use the function for upper and lower limit settings.
- Operate the objects on Soft-NA after confirming the safety of the system.
- If the objects on the Soft-NA are pressed consecutively at a high speed, the signals may not be entered. Make sure to go on the next input operation after confirming one input.
- Do not attempt to disassemble, repair, or modify the product.
- The local authorities may lay down rules and regulations for the dispose of the product. Dispose of the product according to local ordinances as they apply.
- Continuous 24-hour operation of the product is not guaranteed. Do not use this product in a system for which high availability is required.

Precautions for Correct Use

Observe the following precautions when using the USB dongle included with the product.

• Do not install or store in any of the following locations:

Locations subject to severe changes in temperature Locations subject to temperatures or humidity outside the range specified in the specifications Locations subject to condensation as a result of high humidity Locations subject to corrosive or flammable gases Locations subject to strong shock or vibration Locations that are outdoors and subject to direct wind and rain Locations subject to strong ultraviolet light Locations subject to dust Locations subject to direct sunlight Locations subject to splashing oil or chemicals

Take appropriate and sufficient countermeasures when installing systems in the following locations:

Locations subject to static electricity or other forms of noise Locations subject to strong electric field or magnetic field Locations close to power supply lines Locations subject to possible exposure to radioactivity

Regulations and Standards

Overseas Usage

As for the Soft-NA, when exporting (or supplying to non-residents) goods (or technologies) requiring an export license specified according to the Foreign Exchange and Foreign Trade Control Act, or an approval, it is necessary to obtain an export license based on the act, or an approval (or permission for service transactions).

Related Manuals

Manual name	Cat. No.	Model	Application	Description
NA-series Programma-	V125	NA5-00W0000-V1	Learning the speci-	Information is provided on NA-series
ble Terminal Hard-			fications and set-	PT specifications, part names, instal-
ware(-V1) User's			tings required to	lation procedures, and procedures to
Manual			install an NA-series	connect an NA Unit to peripheral
			PT and connect	devices.
			peripheral devices.	Information is also provided on main-
				tenance after operation and trouble-
				shooting.
NA-series Programma-	V118	NA5-00W0000	Learning about	NA-series PT pages and object func-
ble Terminal Software		(-V□)	NA-series PT	tions are described.
User's Manual			pages and object	
			functions.	
NA-series Programma-	V119	NA5-00W0000	Learning the speci-	Information is provided on connec-
ble Terminal Device		(-V□)	fications required	tion procedures and setting proce-
Connection User's Man-			to connect devices	dures to connect an NA-series PT to
ual			to an NA-series	a Controller or other device.
			PT.	
NA-series Programma-	V120	NA5-00W0000	Learning in con-	The part names and installation pro-
ble Terminal Startup			crete terms infor-	cedures are described followed by
Guide			mation required to	page creation and transfer proce-
			install and start the	dures with the Sysmac Studio. Also
			operation of an	operation, maintenance, and inspec-
			NA-series PT.	tion procedures after the project is
				transferred are described. Sample
				screen captures are provided as
				examples.
NX-series CPU Unit	W535	NX701-000	Learning the basic	An introduction to the entire
Hardware User's Man-			specifications of	NX-series system is provided along
ual			the NX-series CPU	with the following information on the
			Units, including	CPU Unit.
			introductory infor-	 Features and system configuration
			mation, designing,	Introduction
			installation, and	Part names and functions
			maintenance.	
			Mainly hardware	
			information is pro-	 Installation and wiring
			vided.	 Maintenance and inspection
				Use this manual together with the
				NJ/NX-series CPU Unit Software
				User's Manual (Cat. No.W501).

The following manuals are related to the Soft-NA. Use these manuals for reference.

Manual name	Cat. No.	Model	Application	Description
NJ-series CPU Unit	W500	NJ501-□□□	Learning the basic	An introduction to the entire
Hardware User's Man-		NJ301-□□□□	specifications of	NJ-series system is provided along
ual		NJ101-□□□□	the NJ-series CPU	With the following information on a
			introductory infor-	• Eastures and system configuration
			mation, designing,	Introduction
			installation, and	Dert names and functions
			maintenance.	Part names and functions
			Mainly hardware	General specifications
			information is pro-	Installation and maintenance
			vided.	• Inspection and maintenance
				NJ-series CPU Unit Software User's
				Manual (Cat. No. W501).
NJ/NX-series CPU Unit	W506	NX701-□□□□	Using the built-in	Information on the built-in Ether-
Built-in EtherNet/IP™		NX502-□□□□	EtherNet/IP port	Net/IP port is provided.
Port User's Manual		NX102-000	on an	Information is provided on the basic
		NX1P2-000	Unit.	setup, tag data links, and other fea-
		NJ501-□□□□		
		NJ301-□□□□		
		NJ101-□□□□		
NJ/NX-series CPU Unit	W501	NX701-000	Learning how to	Provides the following information on
Software User's Manual		NX502-□□□□	program and set	a Controller built with an
		NX102-□□□□	up an	NJ/NX-series CPU Unit.
		NX1P2-000	Unit.	CPU Unit operation
		NJ501-□□□□	Mainly software	CPU Unit features
		NJ301-□□□□	information is pro-	Initial settings Programming based on IEC
		NJ101-□□□□	vided.	61131-3 language specifications
NJ/NX-series Instruc-	W502	NX701-000	Learning detailed	The instructions in the instruction set
tions Reference Manual		NX502-□□□□	specifications on	(IEC 61131-3 specifications) are
		NX102-□□□□	the basic instruc-	described.
		NX1P2-000	NJ/NX-series CPU	
		NJ501-□□□□	Unit.	
		NJ301-□□□□		
		NJ101-□□□□		
NJ/NX-series Trouble-	W503	NX701-□□□□	Learning about the	Concepts on managing errors that
shooting Manual		NX502-□□□□	errors that may be	may be detected in an NJ/NX-series
		NX102-□□□□	N.I/NX-series Con-	ual errors are described
		NX1P2-000	troller.	
		NJ501-□□□□		
		NJ301-□□□□		
		NJ101-□□□□		
Sysmac Studio	W504	SYSMAC-SE2	Learning about the	The operating procedures of the
version 1 Operation			operating proce-	Sysmac Studio are described.
			tions of the	
			Sysmac Studio.	

Manual name	Cat. No.	Model	Application	Description
NY-Series Industrial Box PC User's Manual	W553	NYB	Learning the basic specifications of the NY-series Industrial Box PCs, including introduc- tory information, designing, installa- tion, and mainte- nance.	An introduction to the entire NY-series system is provided along with the following information on the Industrial Box PC. • Features and system configuration • Introduction • Part names and functions • General specifications • Installation and wiring • Maintenance and inspection
NY-Series Industrial Panel PC User's Manual	W555	NYPDD-01000-00 0WC1000	Learning the basic specifications of the NY-series Industrial Panel PCs, including introductory infor- mation, designing, installation, and maintenance.	 An introduction to the entire NY-series system is provided along with the following information on the Industrial Panel PC. Features and system configuration Introduction Part names and functions General specifications Installation and wiring Maintenance and inspection
NY-Series IPC Machine Controller Industrial Box PC Hardware User's Manual	W556	NY512-□□□	Learning the basic specifications of the NY-series Industrial Box PCs, including introduc- tory information, designing, installa- tion, and mainte- nance. Mainly hardware information is pro- vided.	 An introduction to the entire NY-series system is provided along with the following information on the Industrial Box PC. Features and system configuration Introduction Part names and functions General specifications Installation and wiring Maintenance and inspection
NY-Series IPC Machine Controller Industrial Panel PC Hardware User's Manual	W557	NY532-□□□	Learning the basic specifications of the NY-series Industrial Panel PCs, including introductory infor- mation, designing, installation, and maintenance. Mainly hardware information is pro- vided.	 An introduction to the entire NY-series system is provided along with the following information on the Industrial Panel PC. Features and system configuration Introduction Part names and functions General specifications Installation and wiring Maintenance and inspection
NY-Series IPC Machine Controller Industrial Panel PC / Industrial Box PC Software User's Manual	W558	NY532-□□□ NY512-□□□	Learning how to program and set up the Controller functions of an NY-series Indus- trial PC.	 The following information is provided on the NY-series Controller func- tions. Controller operation Controller features Controller settings Programming based on IEC 61131-3 language specifications

Manual name	Cat. No.	Model	Application	Description
NY-Series Instructions Reference Manual NY-Series Trouble- shooting Manual	W560 W564	NY532-000 NY512-000 NY532-000 NY512-000	Learning detailed specifications on the basic instruc- tions of an NY-series Indus- trial PC. Learning about the errors that may be detected in an	The instructions in the instruction set (IEC 61131-3 specifications) are described. Concepts on managing errors that may be detected in an NY-series Controller and information on individ-
NX-series NX1P2 CPU Unit Hardware User's Manual	W578	NX1P2-□□□	detected in an NY-series Indus- trial PC. Learning the basic specifications of the NX-series NX1P2 CPU Units, including introduc- tory information, designing, installa- tion, and mainte- nance. Mainly hardware information is pro-	Controller and information on individ- ual errors are described. An introduction to the entire NX1P system is provided along with the fol- lowing information on the NX1P2 CPU Unit. • Features and system configuration • Introduction • Part names and functions • General specifications • Installation and wiring • Maintenance and inspection
NX-series NX1P2 CPU Unit Built-in I/O and Option Board User's Manual	W579	NX1P2-□□□	vided. Learning about the details of functions only for an NX-series NX1P2 CPU Unit and an introduction of functions for an NJ/NX-series CPU Unit.	Of the functions for an NX1P2 CPU Unit, the following information is pro- vided. • Built-in I/O • Serial Option Boards • Analog Option Boards An introduction of following functions for an NJ/NX-series CPU Unit is also provided. • Motion control functions • EtherNet/IP communications func- tions • EtherCAT communications func- tions
NX-series NX102 CPU Unit Hardware User's Manual	W593	NX102- 🗆 🗆 🗆	Learning the basic specifications of NX102 CPU Units, including introduc- tory information, design, installation, and maintenance. Mainly hardware information is pro- vided.	 An introduction to the entire NX102 system is provided along with the fol- lowing information on the CPU Unit. Features and system configuration Introduction Part names and functions General specifications Installation and wiring Maintenance and inspection
NX-series Safety Con- trol Unit / Communica- tion Control Unit User's Manual	Z395	NX-SL5	Learning how to use the NX-series Safety Control Units and Commu- nications Control Units.	Describes the hardware, setup methods, and functions of the NX-series Safety Control Units and Communications Control Units.

Manual name	Cat. No.	Model	Application	Description
NX-series Communica-	Z396	NX-CSG	Learning about the	Describes the software setup meth-
tion Control Unit Built-in			built-in functions of	ods and communicantions functions
Function User's Manual			an NX-series Com-	of an NX-series Communications
			munications Con-	Control Unit.
			trol Unit.	
NX-series NX502 CPU	W629	NX502- 🗆 🗆 🗆	Learning the basic	An introduction to the entire NX502
Unit Hardware User's			specifications of	system is provided along with the fol-
Manual			NX502 CPU Units,	lowing information on the CPU Unit.
			including introduc-	• Features and system configuration
			tory information,	Introduction
			design, installation,	Part names and functions
			and maintenance.	
			Mainly hardware	General specifications
			information is pro-	 Installation and wiring
			vided.	 Maintenance and inspection
NYE-series Industrial	W634	NYE00-00000-	Learning all basic	An introduction to the IPC is pro-
Panel PC Hardware			information about	vided along with the following infor-
User's Manual			the IPC.	mation:
			This includes	Overview
			introductory infor-	Hardware
			mation with fea-	Software
			tures, hardware	Specifications
			overview, specifi-	
			cations, mounting,	
			wiring, connect-	 Operating Procedures
			ing, operating and	Maintenance
			maintaining the	
			Industrial Monitor.	
NYE-series Industrial	W635	NYE00-00000-	Learning all soft-	An introduction to the IPC is pro-
PC Operating Systems			ware related infor-	vided along with the following infor-
and Software Utilities			mation about the	mation:
Manual			IPC.	Overview
			This includes intro-	Software
			ductory informa-	 Specifications
			tion, installation,	Installation
			operating proce-	Operating Procedures
			dures and mainte-	Maintonanco
			nance.	
			Mainly software	
			information is pro-	
			vided.	

Terminology

Term	Description
HMI	A general term for interface devices that indicates both hardware and software elements. In
	this manual, "HMI" refers to an OMRON Sysmac-brand product unless otherwise specified.
PT	The hardware elements of the HMI.
NA Series	The NA Series of Programmable Terminals and peripheral devices.
NA5-series PT	NA5-□□W□□□□ (-V1).
NA Unit	An NA-series Programmable Terminal.
HMI Project	A Sysmac Studio project for an HMI.
Download	Transferring data from the Sysmac Studio to an HMI.
Upload	Transferring the project from an HMI to the Sysmac Studio.
IAG collection	When you provide IAGs, you provide them as IAG collections. IAGs are also imported as
	IAG collections. An IAG collection contains one or more IAGs.

Revision History

A manual revision code appears as a suffix to the catalog number on the front and back covers of the manual.



Revision code	Date	Revised content
01	April 2020	Original production
02	April 2021	Made revisions accompanying version upgrade.
03	October 2022	Revisions for adding safety precautions regarding security.
04	April 2023	Made revisions accompanying version upgrade.
05	April 2025	Revisions accompanying changes in system requirements

Introduction to the Soft-NA

This section describes the features, basic system configuration, specifications, and operating procedure of the Soft-NA.

1-1	Soft-N	ΙΑ	. 1-2
	1-1-1	Features	. 1-2
1-2	How S	Soft-NA Operates	1-3
	1-2-1	Software Configuration	. 1-3
1-3	Syste	m Requirements	1-4
1-4	Differe	ences from NA-series Programmable Terminals	1-6
	1-4-1	Differences Concerning System Specifications	. 1-6
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	1-4-3	Differences Concerning the Project System Menu	. 1-7
	1-4-4	Differences Concerning the Device System Menu	. 1-7
	1-4-5	Differences Concerning Actions	. 1-7
	1-4-6	Differences Concerning System Variables	. 1-8
	1-4-7	Differences Concerning Functions	. 1-8

1

1-1 Soft-NA

The Soft-NA is software that displays information on FA manufacturing sites while providing safety, reliability, and maintainability as an industrial display on which operations can be performed as necessary.

It includes the functionality of traditional programmable terminals, and provides a clearer, easy-to-use interface.

OMRON offers control devices designed with unified communications specifications and user interface specifications as Sysmac devices.

The Soft-NA is software designed to achieve optimum functionality and ease of operation through combination with the NJ/NX/NY-series Controllers and the Sysmac Studio Automation Software.

If you want to connect the Soft-NA to an NJ/NX/NY-series Controller, you can specify the Controller-side memory of the objects on the Program Terminal screens simply by variables. This allows you to create screens without being concerned with the memory map of the Controller.



1-1-1 Features

Software Features

• Compatibility with NA-series Programmable Terminals

The projects of an NA-series Programmable Terminal can be used almost as is. It is possible to have flexible system configurations, such as simultaneous implementation with Windows applications, which cannot be achieved with the NA-series Programmable Terminals.

1-2 How Soft-NA Operates

This section describes how Soft-NA operates.

1-2-1 Software Configuration

Soft-NA consists of the following software.

Soft-NA

Soft-NA is software required to execute the runtime on a Windows platform. Install the software on a PC or industrial PC to use it.

Runtime

The runtime is the middleware that executes the project. The runtime is started by Soft-NA and it manages the execution of the project.

Project

You use the Sysmac Studio to create your applications. The applications are executed on the runtime. 1

1-3 System Requirements

To be able to use the Soft-NA, it is necessary that the following requirements are satisfied.

• When using a commercially-available PC

System requirements		Details			
20		Windows 10 Pro Version 1903 or	Windows 11 Pro Version 24H2 or		
		later 64 bit	later		
Broossor		Intel Atom [®] x5-E3940 equivalent	Intel Celeron [®] N4000 equivalent		
FIOCESSO		or higher processor ^{*1}	or higher processor ^{*1}		
RAM		4 GB or more			
Free space in the hard drive		1 GB or more			
necessary for installation					
Optical disk drive		DVD-ROM drive ^{*2}			
Communication port USB		USB2.0 Type-A x 2			
	LAN	Ethernet x 2			

*1. Arm base processors are not supported.

*2. Required for installation using NA-RTSM.

When using the industrial PC platform NY-series

The supported models are shown below.

- NYBDD-DD3DD^{*1}
- NYB00-00400*1
- NYPoo-00300-0000000^{*1}
- NYPoo-00400-000000^{*1}
- NYEDD-DDNDD-DDDDDDD
- NY500-1000-00440000*1
- *1. Need to be supported only when used on the OS installed during factory dispatch.
- If Soft-NA is installed on NY5□□-1□00-□□□44□□□□ for use, check the task design method and the cautions regarding the actual task processing time in NY-Series IPC Machine Controller Industrial Panel PC / Industrial Box PC Software User's Manual (W558) before use.
 Note that in this environment, if the load on the controller side is increased, the operation on the Soft-NA side may be affected. Likewise, if the load on the Soft-NA side is increased, the operation on the controller side may be affected. Include margin in the system design, and perform sufficient verification with the actual device.

1

Additional Information

- When viewing documents, it is necessary to install applications corresponding to the files to be viewed.
- To view movies, it is necessary to install the Windows Media Player.
- For communication between the controller and the HMI using the internal communication port of the NY5__-1_00-__44___, perform the HMI-side settings on Sysmac Studio as follows.

For an internal device

Open the device settings, clear the selection of the **Use the IP address configured on the internal device** check box, and set the IP address of the internal communication port within the controller in **IP Address**.

Multiview Explorer	📅 new_Controller_0 ×		•
HMI_NA5_0 🔻	Device Configuration —		Contraction Contemportun
Configurations and Setup	Device Name	new_Controller_0	Use the IP address configured on the internal device
▼ 🗐 Device References	Device Vendor	Omron 🔻	IP Address 192 . 168 . 2541
🔻 🔚 Internal Devices	Device Series	NY 🔻	Timeout 2 🗘 seconds
L 👬 new_Controller_0	Communication Driver	Ethernet 🔍	Communication Error Indication
🚽 Variable Mapping			

For an external device

Open the device settings, and set the IP address of the internal communication port within the controller in **IP Address**.

Multiview Explorer	ExternalDevice0 🗙			•
HMI_NA5_0 🔻	C Device Configuration —			Communications Configuration
Configurations and Setup	Device Name	ExternalDevice0		IP Address 192.168.2541
▼ 🗐 Device References	Device Vendor	Omron	•	Timeout 2 🗸 seconds
L 🔚 Internal Devices	Device Series	NY	•	Communication Error Indication
ExternalDevice0	Communication Driver	Ethernet	T	
📣 Variable Mapping				
TT HMI Settings				

1-4 Differences from NA-series Programmable Terminals

The Soft-NA and NA-series Programmable Terminals have the following differences:

1-4-1 Differences Concerning System Specifications

Item	NA5-series PT	Soft-NA
Hardware	Dedicated hardware	Commercially-available PC
Resolution	Fixed as either of the following depend-	The following settings can be made on
	ing on the model	Sysmac Studio
	• 1280 x 800	• 1920 x 1080
	• 800 x 480	• 1280 x 800
		• 800 x 480
Connectible controllers	NX/NJ/NY-series Controllers	NX/NJ/NY-series Controllers
	• NX-CSG320	• NX-CSG320
	CS/CJ/CP-series PLC	
	CK3-series Programmable Multi-Axis	
	Motion Controllers	
Project data transfer	Media (USB memory, SD memory card)	Media (USB memory, SD memory card)
method	Ethernet	Ethernet
	• USB	
Supported Runtime	1.03 or later	1.11 or later
NTP client	Available	None ^{*1}
FINS communications	Supported	Not supported
VNC functionality	Available	None ^{*1}
Document viewing	Supported by an internal application	A separate corresponding application is
		required
Video playback	Supported by an internal application	A separate corresponding application is
		required
Japanese/Asian language	Japanese/Chinese (simplified, tradi-	To enter Japanese/Chinese (simplified,
input	tional)/Korean are available for data	traditional)/Korean in data input objects,
	input objects	use an on-screen keyboard of Windows
External media	USB memory, SD memory card	SSD, USB memory or SD memory card and
		other media that can be used with a PC^{*2}
Graph objects	One object per page	Two objects per page ^{*3}

*1. Equivalent functionalities can be implemented by using the Windows functions.

*2. A setting needs to be made in the System Menu before using the media. For details, refer to 6-2-11 Storage Settings.

*3. Supported in Runtime version 1.16 or later.

1-4-2 Differences Concerning the Overall Runtime Operation

Item	NA5-series PT	Soft-NA
Startup	Power ON	Run Soft-NA
Exit	Power OFF	 Exit by the X button on the title bar Exit from the System Menu

1-4-3 Differences Concerning the Project System Menu

Item	NA5-series PT	Soft-NA
Display Settings	Used to set the screen saver and the screen brightness.	None ^{*1}
Buzzer Settings	Used to set the buzzer sound.	None

*1. Equivalent functionalities can be implemented by using the Windows functions.

1-4-4 Differences Concerning the Device System Menu

ltem	NA5-series PT	Soft-NA
Date & Time Settings	Used to set the date and time, and also	None. *1
	make settings for synchronization with	
	the time server.	
Interface Settings	Used to make settings for the NA Unit	Used to make settings for the Soft-NA
	interface.	interface.
Screen Brightness	Used to set the brightness of the screen.	None
Transfer Operations	Used to transfer the project and data.	Used to transfer the project.
Hardware Diagnostics	Used to calibrate the touch panel.	None
Production Information	Displays the lot number of the NA Unit	None
	and other information.	
Display Settings	None	Used to set the display mode and make
		the operation panel settings.
Storage Settings	None	Used to make mapping settings such as
		the USB memory and SD card memory.
PC Shutdown	None	Used to exit the Soft-NA and shut down
		Windows.

*1. Equivalent functionalities can be implemented by using the Windows functions.

1-4-5 Differences Concerning Actions

The following actions cannot be used in the Soft-NA.

- BuzzerOff
- BuzzerOn
- BuzzerOn (One shot only)
- EjectSDMemory
- SetIMEType

1

1-4-6 Differences Concerning System Variables

The following system variables cannot be used in the Soft-NA.

- _HMI_Brightness
- _HMI_CanEjectSDCard
- _HMI_ConnectedVNCClientCount
- _HMI_IsBatteryLow
- _HMI_IsScreenSaverActive

1-4-7 Differences Concerning Functions

Functionality	Function
IME	GetIMEType
	SetIMEType
VNC	GetConnectedVNCClients
	GetServiceState
	IsVNCClientRestrictionEnabled
	StartService
	StopService
External storage device	GetConnectedUSBDevices
	EjectSDMemory
	EjectUSBDevice
Date and time	SetDateTime
Buzzer	BuzzerOff
	BuzzerOn
	BuzzerOneShot

The following functions cannot be used in the Soft-NA.

2

Installation

This section describes how to install the Soft-NA.

2-1	Installation Method	2-2
2-2	Uninstallation Method	2-5

2-1 Installation Method

The method of installing the Soft-NA is described below. If Soft-NA is already installed, it will be upgraded.

Perform the following before starting installation.

- · Log in as a user having administrator rights.
- · Exit all applications.
- Remove the devices that are not required for installation.
- · Remove the USB dongle dedicated to the Soft-NA.

Observe the following precautions when performing an upgrade.

- Back up the project data and logs. All data will be deleted.
- · Settings will be initialized. Configure again after the installation is complete.

Set the installation media of the Soft-NA in the DVD-ROM drive.
 The setup program starts automatically.

2 Specify the language used for installation and click OK.

Soft-NA	- InstallShield Wizard		×		
Select the language for the installation from the choices be					
	English (United States)		\sim		
		<u>O</u> K	Cancel		

3 Depending on the environment, the following dialog box appears. Click **Install**.



Read befo	re installation	×
0	The procedure of installation is described in <dvd-rom drive>:\BeforeInstall_E.txt. Do you want to proceed installation? Select [NO] to exit this program, [VES] to proceed installation.</dvd-rom 	
	Yes <u>N</u> o	
5 Click Next.

Soft-NA - InstallShield Wizard		×
خ	Welcome to the InstallShield Wizard for Soft-NA	
	The InstallShield Wizard will install Soft-NA on your computer. To continue, dick Next.	
	< <u>B</u> ack <u>Next</u> Cancel	

6 After carefully reading the license agreement, select I accept the term of the license agreement and click Next.

Soft-NA - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	
IMPORTANT By installing this package, you agree to be bound by the following Software License Agreement. If you do not agree, please return the enclosed software ("Software") without installing this package to the shop where you bought the Software. The warranty service set forth in Section 7 of the Software License Agreement and any information on the Software and its revision and new version will not be provided to you, unless you register as an user of the Software. SOFTWARE LICENSE AGREEMENT	^
This is a binding agreement between OMRON Corporation ("OMRON") and you (the	~
I geopt all childs of the license agreement	
< <u>Back</u> <u>N</u> ext > Can	cel

7 Enter User, Company, and License, and click Next.

Soft-INA - InstallShield Wizard	X
User information	
Please enter user information.	
Please enter your name, company name, and liv	cense number, and then click [Next].
lleer	
<u>0</u> sei.	
Company	
<u>C</u> ompany.	
License:	
]
InstallShield	
THOURSHIER	Back Next Cancel

Additional Information

The license number is specified as the License Code on the software license supplied with the NA-RTLD $\Box\Box$.

8 The entered user information is displayed. Click Yes. Registration Confirmation

You have provided the following registration information: Name: X0000000X Company: X0000000X Serial Number: 9999-9999-9999 Is this registration information correct? Yes Yes Yo Click Install. Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, dick Back. Click Cancer evit the wizard.							
Name: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	You have prov	vided the f	ollowing registra	ation informati	on:		
Company: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Name:		XXXXXXXXXXXXX				
Serial Number: 9999-9999-9999 Is this registration information correct? <u>Yes</u> <u>No</u> Click Install. Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancer evit the wizard	Company	y:	XXXXXXXXXXX				
Is this registration information correct? Yes No Click Install. Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cance exit the wizard	Serial Nu	mber:	9999-9999-999	99-9999			
Yes No Click Install. Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cance wit the wizard	Is this registra	ation inform	mation correct?				
Click Install. Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cance exit the wizard		Yes	1	lo			
Click Install. Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancer exit the wizard.				-			
Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cance exit the wizard	lick Inst	all					
Soft-NA - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cance evit the wizard.	mon mai	an.					
Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancer exit the wizard	oft-NA - Install	Shield Wi	zard				
The wizard is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancer exit the wizard	Ready to Ins	tall the P	rogram				
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancer exit the wirard	The wizard is	ready to b	pegin installation				
If you want to review or change any of your installation settings, click Back. Click Cano exit the wizard.	Click Install to	o begin the	e installation.				
exit the wizard.	If you want t	to review o	or change any of	your installat	ion settings	, click Back.	Click Cancel to
	exit the wiza	rd.					
installShield	ıstallShield						

10 When installation is complete, the following dialog box appears. Select whether you want to immediately restart your PC, and then click **Finish** to complete installation.

Be sure to restart the PC before using the Soft-NA.

Soft-NA - InstallShield Wizard	
J J	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Soft-NA. Before you can use the program, you must restart your computer. Image: Soft start of the program
	< Back Finish Cancel

2-2 Uninstallation Method

The method of uninstalling the Soft-NA is described below.

Perform the following before starting uninstallation.

- Log in as a user having administrator rights.
- · Exit all applications.
- · Remove the devices that are not required for uninstallation.
- Remove the USB dongle dedicated to the Soft-NA.
- Back up the project data and logs. All data will be deleted.
- Settings will be initialized. Take a note of the settings as needed.

1 From the **Windows Settings**, click **Apps**.

		W	indows Settings		
		Find a setting		Q	
旦	System Display, sound, notifications, power		Devices Bluetooth, printers, mouse		Phone Link your Android, iPhone
	Network & Internet Wi-Fi, airplane mode, VPN	<u> </u>	Personalization Background, lock screen, colors	Œ	Apps Uninstall, defaults, optional features

2 From the list, click **Soft-NA**, and then click **Uninstall**.



3 Click Uninstall.





5

Soft-NA -	- InstallShield Wizard	\times
Do you its featu	want to completely remove the selected application and all rres?	of
	<u>Y</u> es <u>N</u> o	
Click	Yes.	~
Soft-NA ι	uninstallation	\times
	The project and settings in the Soft-NA will be lost when uninstalling the Soft-NA. Make a back-up of your project and settings before the uninstallation if necessary. Are you sure you want to start the uninstallation?	

6 When the uninstallation of the Soft-NA is complete, the following dialog box appears. Check the message and then click **Finish**.

Soft-NA - InstallShield Wizard	
ی	Uninstall Complete InstallShield Wizard has finished uninstalling Soft-NA.
	< Back Finish Cancel

3

Startup and Exit

This section describes how to start and exit the Soft-NA.

3-1	Starting the Soft-NA	3-2
3-2	Exiting the Soft-NA	3-5

3-1 Starting the Soft-NA

The method of starting the Soft-NA is described below.

The Soft-NA can be started by the following two methods.

- Double-click the Soft-NA icon on the desktop.
- · Select OMRON Soft-NA from the Start menu, and then click the Soft-NA icon.



Additional Information

If settings have been made to automatically execute the Soft-NA when Windows is started, the Soft-NA may be executed before the startup of the service necessary for executing the Soft-NA, or before the completion of authentication of the USB dongle. In such a case, the Soft-NA startup results in a failure.

If you want to make the settings to automatically execute the Soft-NA when Windows is started, take measures such as delaying startup.

Starting the Soft-NA

If a project is being transferred, the Soft-NA will start after the project being transferred has been loaded. Therefore, use the Soft-NA as is.

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	A

1

Additional Information

For the project transfer method, refer to 4-2 Transferring the Project on page 4-7.

The procedure of starting the Soft-NA when a project is not being transferred is described below.

- Double-click the Soft-NA icon.
- **2** Double-click any of the four corners of the window.

Soft-NA		-	×
	User program does not exist. Transfer your program from USB memory or SD Car	d.	

Additional Information

The number of instances of Soft-NA that can run at the same time is one only. Starting multiple instances is not supported.

- sour-Version : 1.1
- **3** Click **Transfer Operations** Button.

4 Click Transfer User Program To HMI Button.



5 Select the snabin file created in Sysmac Studio, and then click **Transfer To HMI**.

Soft-NA		- 🗆 X
Transfer User Program To	HMI	Back
Source Media	Custom	v
F:\		
Name	Modified Date	
HMI_NA5_0.snabin	2020-02-28 13:08:40	
Compare With HMI		
Transfer To HMI		

Additional Information

For the snabin file creation method, refer to 4-2 Transferring the Project on page 4-7.

3



Click OK Button.



7 The project is loaded and the Soft-NA is restarted.

3-2 Exiting the Soft-NA

The method of exiting the Soft-NA is described below.

The Soft-NA can be exit by the following two methods.

- Click the \times button at the top right of the window.
- Click Shut down PC button on the Device System Menu.



Precautions for Correct Use

Exit the Soft-NA by the correct procedure.

If you forcibly exit the Soft-NA from the Task Manager, or shut down Windows without exiting the Soft-NA, information such as history, etc. may not be saved correctly.

When exiting with the imes button at the top right of the window

When you exit the Soft-NA with the \times button at the top right of the window, you will exit only the Soft-NA.

1 Click the \times button at the top right of the window.



2 You will exit the Soft-NA.

When exiting from the System Menu

When you exit the Soft-NA from the system menu, shut down Windows after exiting the Soft-NA.

1 Double-click any of the four corners of the window.



2 Click Device System Menu.

HMI_NA5_0 - Soft-NA					-	×
	Droject Custom Menu	(1.0)				
	Project system went	(1/2)		5115		
	Display Settings		Edernal Devkee Settings	User Accounts		
	NU/NX/NY Troubleshooter	Alarm Viewer	Project System Menu Set6roa	Device System Menu		
	Runtime Version: 1.11.86					

3 Click Shut down PC Button.





3

4 Click OK Button.



5 You will exit the Soft-NA, and Windows will be shut down.

4

Creating and Transferring a Project

This section describes how to create and transfer a project for the Soft-NA.

4-1	Creating a Project	4-2
4-2	Transferring the Project	4-7

4-1 Creating a Project

The method of creating a project for the Soft-NA is described below.

The project for the Soft-NA can be created by the following two methods.

- · Create a new project for the Soft-NA.
- · Convert the project created for the NA5-series PT.

When creating a new project for the Soft-NA

The procedure for creating a new project is same as that for the NA5-series PT except that the model is different.





Sysmac Studio (32bit)		- 0	×
			-
Offline A leve Project Quen Project Quen Project Quen Project Quen Project Quent Quen	Project Properties Project name New Project Author OMEON Comment Type Standard Project Type Category MA Version 133 Create		

4 Hereafter, create the project according to the same procedure as the NA5-series PT.

📓 Ne	w Pro	ject - H	MI_NA	_0 - Sj	/smac	: Stud	io (321	iit)																								-		×
Eile	Edit	View	Inser	t <u>P</u> ro	oject	HM	l <u>S</u> i	nulati	on <u>I</u> a	ools	Win	dow	Hel	р	_	_	_	_	_	_	_	_	_	_	_			_	_	_	_	_	_	
Х		<u>R</u>	<u>0</u> *		6						*		A				•		民	j,				A		►				•				
Multiv	iew Đ	plorer			, Q																									Teelbo	•			- 4
HMI_	NA_0	-		H																										<searc< td=""><td>h></td><td></td><td></td><td></td></searc<>	h>			
	onfigu MI	rations	and Se	etup																														
1 Fil	ter iew Ex	plorer	Page	Explor		Buil	d Contraction	न् 1	<u>0 w</u>	Desc	gs riptio	'n		1	Pro	oqram			Lo	cation		1						•	ů ×	Toolbu	Proc	An	im I	Event
_	_	_	- 1	_	-	_		_																									_	

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2

When converting a project created for the NA5-series PT

The procedure for converting a project created for the NA5-series PT is described below.

3 Select the project to be converted, and then click **Open** Button.

Sysmac Studio (32bit)				- U X
Offline	Projects Project Name Search			Projects Count : 1
Gen project Generation of the second secon	Project name	I Comment I Las 2/28/2	Modified V Created 020 12:51:4 2/28/2020 12:50	I Author II M OMRON
Online <u>6</u> Connect to Device				
Version Control				
🕅 🖞 Version Control Explorer				
License				
🖬 License				
		Properties	Compare <u>D</u> e	elete <u>O</u> pen

- 4
- The project opens.

New Project - HMLNA5_0 - Sysmac Studio (32bit)	- 0	×
ile £dit View Insert Project HMI Simulation Jools Window Help		
※ ● ◎ ☆ う ♂ ◎ 旨 設 ♂ 尋 論 人 A 凶 ଡ 圏 ◎ 5. 枚 臼 鸟 鸟 ミ ▲ 為 ○ ▶ ■ M 也 改 ▶ @ @ =	Þ.	
Aubieve Explorer • 0 Toolbox • • 0	-	
Build Superment Accuratements Description I Program I Location I	Animus	Event

5 From the menu displayed by right-clicking HMI at the top left of the window, select Change Device.



6 Make the settings as shown below, and then click **OK** Button.

Setting Item	Value
Device	NA-RTLD
Version	Any version that can be specified

Change Dev	×	
Select D	evice	
Category	HMI	T
Device	NA TILDoo	-
Version	1.11	•
	OK Cancel	

4

7 A caution is displayed. Check and then click **OK**.



8 A caution is displayed. Check and then click **OK**.

Warning	
	This project will be upgraded to Runtime Version 1.11. The Sysmac Studio that unsupports Runtime Version 1.11 cannot edit the saved or exported projects.
	ОК

Additional Information

Depending on the size of the project, it may take 10 minutes or more for conversion.

9 The project is converted for use with the Soft-NA.

If you are using a function that is not supported by the Soft-NA, a validation error will be displayed. Correct the corresponding locations according to the specifications of the Soft-NA.

4-2 Transferring the Project

The method for transferring a project for the Soft-NA is described below.

The project for the Soft-NA can be transferred by the following two methods.

- Transferring via Ethernet.
- Transferring using media.

Note that the basic operation method is same as that for the NA5-series PT. For details, refer to Section 8 Transfer in the NA-series Programmable Terminal Software User's Manual (Cat. No. V118).



Additional Information

The Soft-NA does not support transfer via the USB.

Differences Concerning System Programs

With the NA5 series, if the version of the system program at the transfer destination HMI and the version of the project to be transferred are not appropriate, Sysmac Studio can select the most suitable system program and transfer it.

With Soft-NA, if the combination of the Soft-NA version at the transfer destination and the version of the project to be transferred is not appropriate, transfer from Sysmac Studio is not possible. Transfer after updating the Soft-NA version.

The table below shows the combination of the project version and the supported Soft-NA version.

Project version	Supported Soft-NA version
1.11	1.00 or later
1.12 to 1.17	1.02 or later

4

Differences Concerning Transfer via Ethernet

The cautions to be taken during transfer via Ethernet are described below.

- The PC on which the Soft-NA is installed must be started beforehand.
 Since the transfer process is implemented in the background, the project can be transferred even without logging in to the system.
- Different projects cannot be transferred from each account. Use the same project from all accounts.
- If a project is transferred when the Soft-NA is not running, the Soft-NA needs to be manually started. If a project is transferred when the Soft-NA is not running, manually start the Soft-NA.
- The port number can be changed.

The port number can be changed to avoid conflict with other applications running on the PC.

Additional Information

When a project is transferred via Ethernet, it may not be possible to perform communication normally because of the security function of the PC. In such a case, change the settings, such as opening the required port.

Also, with regard to installation, discuss beforehand with the system administrator that there is a possibility of occurrence of a security-related exception, such as opening of a required port for the PC on which the Soft-NA is to be installed.

Differences Concerning Transfer Using Media

The precautions to take during transfer using media are as described below.

- When transferring using media, the name of the file to transfer is different.
 The creation method of the file to transfer is the same, but the extension of the created file name is snabin.
- Transfer can be performed from any folder in the PC.

When performing the transfer operation from the System Menu, it is possible to transfer the project from any folder by selecting "Custom" at the time of specifying the Destination Media or Source Media.

5

Functionalities of Sysmac Studio

This section describes the functionalities of Sysmac Studio related to the Soft-NA.

5-1	Functionalities of Sysmac Studio								
	5-1-1	HMI Settings							
	5-1-2 Communication Settings								
	5-1-3	HMI Clock							
	5-1-4	Reset HMI Device							
	5-1-5	IAGs							

5-1 Functionalities of Sysmac Studio

The functionalities of Sysmac Studio that have been changed for use with the Soft-NA are described below.

5-1-1 HMI Settings

Functionalities that are not supported by the Soft-NA have been deleted. Also, the settings for functionalities specific to the Soft-NA have been added.

Functionality name	Change	Description
Device Settings	Changed	Changed according to the functionalities of the Soft-NA.
TCP/IP Settings	Deleted	In the case of the Soft-NA, the settings of the PC on which the
		Soft-NA is installed are used as network settings.
		Make the settings from Network and Internet under Windows
		Settings.
FTP Settings	Deleted	Not provided as a functionality of the Soft-NA because various
		FTP servers have been provided on Windows.
		The customer is requested to make arrangements for other appli-
		cations such as IIS, etc.
NTP Settings	Deleted	Because the settings of the PC itself are used, make the settings
		from Date Time under Windows Settings.
FINS Settings	Deleted	Not supported because the Soft-NA does not support the connec-
		tion with the CS/CJ/CP-series. If it is necessary to connect to the
		CS/CJ/CP-series, use the NA5 series PT.
VNC Settings	Deleted	Not provided as a functionality of the Soft-NA because functional-
		ities such as VNC have been provided on Windows.
		Either use a Windows standard remote desktop, or a VNC server
		manufactured by a third party.
Print Settings	Not changed	There are no changes in the print settings.
Serial Port Settings	Deleted	The Soft-NA does not support the serial port connection.

Device Settings

The following functionalities have been deleted from the device settings.

Functionality name	Settings	Description
Software Keypad/	USB keyboard	Because the settings of the PC itself are used, make the settings
USB Keyboard	layout	from Device under Windows Settings.
Screen Saver	All	Because the settings of the PC itself are used, make the settings
		from Screen saver settings in Windows.
Screen Brightness	All	Because the settings of the PC itself are used, adjust the bright-
		ness of the display to the required amount.
Sound	All	Not supported.

Also, two items have been added as settings for the Soft-NA.



No.	ltem	Description
(a)	Maximum Number of Page Size	The page type specifies the size of the main page. The default value is 1280x800.
		When the settings are changed, all pages in the device are expanded or contracted according to the settings. ^{*1}
(b)	Screen Mode	Specifies the screen mode when the Soft-NA is started. The default value is the Window Mode.

*1. When the Maximum Number of Page Size is changed, depending on the project size, it may take 10 minutes or more to execute the conversion process.

5-1-2 Communication Settings

Functionalities that are not supported by the Soft-NA have been deleted. Also, the settings for functionalities specific to the Soft-NA have been added.

In the case of the Soft-NA, the following communication paths are not supported.

- · Direct connection via USB
- · Direct connection via Ethernet

Also, one item has been added as the setting for the Soft-NA.

Communications Setup	-		×	
Connection Type Select a method to connect with the device to use ev Ethernet connection via a hub	ery time	you go c	online.	
Remote IP Address				
Specify IPAddress	810	0		(a
Coptions				
Confirm Serial ID when going online.				
Communications time-out				
Specify the response time-out period for communicatin 2 (s)	ng with t	he device	2.	
OK Cancel				

No.	Item	Description
(a)	Port	Specifies the port number used in synchronization.

Additional Information

The Soft-NA does not support the communication test. To check if communication has been established with the PC, change the settings of the Windows Firewall, and use a Ping to confirm.

5-1-3 HMI Clock

Not supported by the Soft-NA. Change the settings of the PC on which the Soft-NA is installed.

5-1-4 Reset HMI Device

Not supported by the Soft-NA.

5-1-5 IAGs

There are the following restrictions during the use of an IAG.

If an action, system variable, or function that cannot be used in the Soft-NA is used, an error occurs, but if it is used in an IAG, an error does not occur in Sysmac Studio. These functions result in an error when executed in the Soft-NA.

Before using an IAG in the Soft-NA, make sure the functionalities not supported in the Soft-NA are not used.

5

6

Functionalities of the Soft-NA

This section describes the functionalities of the Soft-NA.

6-1	Functi	onalities of the Soft-NA	6-2
	6-1-1	Function Keys	6-2
	6-1-2	Media Player Object	6-2
	6-1-3	Document Viewer	6-2
	6-1-4	Fonts	6-2
	6-1-5	Operation Log	6-2
6-2	Syster	n Menu	6-3
	6-2-1	System Menu Display Methods	6-3
	6-2-2	System Menu Configuration	6-4
	6-2-3	Language Settings (Project System Menu)	6-7
	6-2-4	External Device Settings (Project System Menu)	6-7
	6-2-5	User Accounts (Project System Menu)	6-8
	6-2-6	System Menu Settings (Project System Menu)	6-9
	6-2-7	Print Settings (Project System Menu)	6-9
	6-2-8	Display Settings (Device System Menu)	6-10
	6-2-9	Language Settings (Device System Menu)	6-10
	6-2-10	Interface Settings (Device System Menu)	6-11
	6-2-11	Storage Settings (Device System Menu)	6-11
	6-2-12	Transfer Operations (Device System Menu)	6-12

6-1 Functionalities of the Soft-NA

The functional differences between the Soft-NA and the NA5-series PT are described below.

6-1-1 Function Keys

The function keys are displayed at the bottom of the window. It is not possible to assign physical buttons.

Whether to display them can be set in the System Menu.

6-1-2 Media Player Object

It is necessary to install the Windows Media Player to be able to use the Media Player Object. Media Player Object is not processed in an environment in which the Windows Media Player is not installed.

6-1-3 Document Viewer

The document viewer built into the Soft-NA supports the display of only Adobe Acrobat Documents. To view any other file, it is necessary to install an application that supports the file. If an attempt is made to view a document when the supported application is not installed, an error will occur.

Also, even if the Soft-NA is exited, the other applications are maintained in the state prior to the exit of the Soft-NA.

The operation has been confirmed with the following applications.

Format name	Extension	Application
Microsoft Excel Book	xlsx	Microsoft Excel 2016
Microsoft Excel 97-2003 Book	xls	Microsoft Excel 2016
Microsoft Word Document	docx	Microsoft Word 2016
Microsoft Word 97-2003 Document	doc	Microsoft Word 2016

6-1-4 Fonts

The displayed fonts are effected by the environment in which the Soft-NA is installed. If the characters to be displayed do not exist in the specified font, a different font may be displayed depending on the Windows environment. Be sure to check the display in the operating environment.

6-1-5 Operation Log

The following differences exist in the operation log due to functional differences between Soft-NA and the NA5 series.

Operation to be logged	Description
Synchronization	When the project set as the target of the operation log is downloaded to Soft-NA,
	Synchronization is recorded in the log even if Soft-NA is not running.
IME change	Not applicable
Screen saver	Not applicable
VNC	Not applicable
FTP Server	Not applicable

6-2 System Menu

The functional differences between the Soft-NA and the NA5-series PT are described below. For items undescribed in this manual, refer to 4-3 System Menu Overview and 4-4 System Menu Details in the NA-series Programmable Terminal Hardware (-V1) User's Manual (Cat. No. V125).

6-2-1 System Menu Display Methods

The System Menu can be started by the following three methods.

- · Double-clicking one of the four corners of the window
- · Executing the ShowSystemMenu action
- · Executing the ShowSystemMenu function in a subroutine

The method of executing the action and subroutine is same as that in the NA5-series PT. For details, refer to 4-3-2 Using the System Menu in the NA-series Programmable Terminal Hardware (-V1) User's Manual (Cat. No. V125).

Double-clicking one of the four corners of the window

Double-click one of the four corners (orange portions in the figure below) on the Soft-NA window.



Additional Information

If you click a corner where an object is displayed, the function of the object is executed. You can also choose the active locations from the four corners.

6-2-2 System Menu Configuration

Same as the NA5-series PT, the System Menu consists of the Project System Menu and the Device System Menu.

The following items and functions are displayed on each System Menu.

• Project System Menu (1/2)

Project System Menu	(1/2)		Exit
	Aљ		
Display Settings	Language Settings	External Device Settings	User Accounts
•			>>>
NJ/NX/NY Troubleshooter	Alarm Viewer	Project System Menu Settings	Device System Menu
Runtime Version:			

Item	Introduction	Reference
Display Settings	For future expansion.	-
Language Settings	Used to set the user language and the sys-	6-2-3 Language Settings (Project
	tem language.	System Menu) on page 6-7
External Device Settings	Used to make the external device settings for	6-2-4 External Device Settings
	connected devices.	(Project System Menu) on page
		6-7
User Accounts	Used to make the user account settings.	6-2-5 User Accounts (Project
		System Menu) on page 6-8
NJ/NX/NY Troubleshooter	Displays the NJ/NX/NY Troubleshooter.	4-4-5 NJ/NX/NY Troubleshooter
		(Project System Menu) in the
		NA-series Programmable Termi-
		nal Hardware (-V1) User's Man-
		<i>ual</i> (Cat. No. V125)
Alarm Viewer	Displays user alarms.	4-4-6 Alarm Viewer (Project Sys-
		tem Menu) in the NA-series Pro-
		grammable Terminal Hardware
		(-V1) User's Manual (Cat. No.
		V125)
Project System Menu Set-	Used to set the method for starting the Sys-	6-2-6 System Menu Settings
tings	tem Menu.	(Project System Menu) on page
		6-9
Device System Menu	Used to perform transfer, etc.	Device System Menu on page
		6-6

• Project System Menu (2/2)

Project System Menu (2/	2)		Exit
Print Settings	Buzzer Settings	Operation Log Viewer	定臣S Safety Monitor
Runtime Version:			

Item	Introduction	Reference
Print Settings	Used to make print/capture settings on the	6-2-7 Print Settings (Project Sys-
	Soft-NA window.	<i>tem Menu)</i> on page 6-9
Buzzer Settings	For future expansion.	-
Operation Log Viewer	Displays the Operation Log Viewer.	4-4-10 Operation Log Viewer in NA-series Programmable Termi- nal Hardware(-V1) User's Manual (Cat. No. V125)
Safety Monitor	Displays the Safety Monitor.	4-4-11 Safety Monitor in NA-series Programmable Termi- nal Hardware(-V1) User's Manual (Cat. No. V125)

Device System Menu



Item	Introduction	Reference
Display Settings	Used to set the screen mode, etc.	6-2-8 Display Settings (Device
		System Menu) on page 6-10
Language Settings	Used to make settings for the system lan-	6-2-9 Language Settings (Device
	guage.	System Menu) on page 6-10
Interface Settings	Used to set the port number, etc.	6-2-10 Interface Settings (Device
		System Menu) on page 6-11
Storage Settings	Used to make the storage mapping settings.	6-2-11 Storage Settings (Device
		System Menu) on page 6-11
Transfer Operations	Used to transfer the project.	6-2-12 Transfer Operations
		(Device System Menu) on page
		6-12
Shut down PC	Used to exit the Soft-NA and shut down the	When exiting from the System
	PC.	<i>Menu</i> on page 3-6

Language Settings (Project System Menu) 6-2-3

Language Settings Back English (United States) User Language (a) (b) sh (United Stat Keep this setting on as a startup language C (c)

You can use the Language Settings to set the following items.

No.	ltem	Functionality
(a)	User Language	Used to set the user language.
(b)	System Language	Displays the system language that is associated with the user lan-
		guage.
(c)	Keep this setting on a startup lan-	If you select this check box, the language that is set as the system
	guage	language is used as the startup language.

External Device Settings (Project System Menu) 6-2-4

External Device Settings Back (a) ew_Controller_0 Communication Driver NJ/NX - Et (b) Communication Error Indication Enable Timeout Sec IP Address 192.168.250.1 Secure Connection

No. Item Functionality **Connected Device List** Displays a list of the connected devices that are registered in the (a) project. (b) Connected Device Communica-Displays the communication settings of the connected device that tions Settings is selected in the list. Refer to the NA-series Programmable Terminal Device Connection User's Manual (Cat. No. V119) for details.

You can use the External Device Settings to set the following items.

6

6-2-5 User Accounts (Project System Menu)

You can use the User Accounts to set the following items.



Precautions for Safe Use

When you change a password, do not reset the Soft-NA or turn OFF the power supply before writing the new password is completed. A failure to store the password may cause the project to fail to function.

Additional Information

If you forget a password, there is no way to check for the password on the Soft-NA. Use the Sysmac Studio to check.



No.	ltem	Functionality
(a)	Name	Used to set the name.
(b)	Role	Used to select a role.
(c)	Password	Used to set the password.
(d)	Comment	Used to set a comment.
(e)	Save	Used to save the changes.
(f)	Cancel	Used to discard the changes.
(g)		Used to edit the selected user account.
(h)	Ē	Used to delete the selected user account.
(i)	+	Used to add a new user account.
(j)	User account table	A list of the user accounts that are currently registered is dis- played.

6-2-6 System Menu Settings (Project System Menu)



 No.
 Item
 Functionality

 (a)
 Double-tap Interval
 Set the double-tap interval for the operation to start the System Menu.

 (b)
 Detectable Corner
 Used to set the double-tap detection positions for the operation to start the System Menu.

6-2-7 Print Settings (Project System Menu)



You can use the Print Settings to set the following items.

No.	Item	Functionality
(a)	Color Mode	Select from among the following options for colors and/or reverse display of printing or capturing screens:
		• Color
		• Grayscale
		Reverse Grayscale
(b)	Print With Title	Select this check box to insert a screen title during printing/captur-
		ing of the screen.

You can use the System Menu Settings to set the following items.

6

6-2-8 Display Settings (Device System Menu)

Display Settings	Back	
Select Window Style		
Windowed mode •		— (a)
Operation Panel Visibility		
Hidden •		— (b)
Apply		

You can use the Display Settings to set the following items.

No.	ltem	Functionality
(a)	Select Window Style	Used to set a window style.
(b)	Operation Panel Visibility	Used to set the display position of the operation panel.

6-2-9 Language Settings (Device System Menu)



You can use the Language Settings to set the following items.

No.	ltem	Functionality
(a)	Languages	Used to set the system language. Note that the Project System
		Menu Language Settings are given priority as the system lan-
		guage settings.
6-2-10 Interface Settings (Device System Menu)

Interface	Settings			Back	
	TCP port number				
		8100			—— (a)
		Apply			
No.	Iten	1		Functi	onality
(a)	TCP port number		Used to set the port numbe	r used for	synchronization with Sysmac Studio.

You can use the Interface Settings to set the following items.

6-2-11 Storage Settings (Device System Menu)

You can use the Storage Settings to set the folder to which the definition expressing the device is to be assigned. After changing these settings, Soft-NA needs to be restarted.

Additional Information

- The Soft-NA does not support "USBDisk2".
- The operation is not guaranteed if a folder on the network is assigned.
- · Do not set the assigned folder to read-only.



No.	Item	Functionality
(a)	USB Directory	Used to set the folder to which "USBDisk" is to be assigned.
(b)	SDCard Directory	Used to set the folder to which "SDCard" is to be assigned.
(c)	FTP directory	Used to set the folder to which "FTP" is to be assigned.

6-2-12 Transfer Operations (Device System Menu)

This screen is used to transfer the project and other data.

You can click any of the icons to display the individual transfer screens.



No.	ltem	Functionality
(a)	Transfer User Program To HMI	Used to download the project.
(b)	Transfer User Program From HMI	Used to upload the project.

Additional Information

The Soft-NA does not support **Transfer Data To HMI** and **Transfer Data From HMI**. Directly acquire the data from the folder set in the Storage Settings.

Transfer User Program To HMI

This screen is used to download the project from the specified location.



No.	Item	Functionality	
(a)	Source Media	Specifies the media that contains the project to download. Select	
		Custom to select any folder.	
(b)	Path	Displays the path of the folder displayed in (c).	
(c)	Folder Contents	Displays the files and folders in the currently open folder.	
(d)	Compare With HMI	Used to compare the selected project and project in HMI.	
(e)	Transfer To HMI	Used to download the selected project to HMI.	

Transfer User Program From HMI

This screen is used to upload the project to the specified location.

Transfer User Program From HMI Back			
Destination Media	SDCard	• (a)	
C:\OMRON\Soft-NA\Storage\Sl	DCard	•(b)	
Name	Modified Date		
		• (c)	
File Name	SOFT_NA_2020_02_28.snabin	• (d)	
Transfer From HMI		(e)	

No.	Item	Functionality	
(a)	Destination Media	Specifies the media to which to upload the project. Select Custon	
		to select any folder.	
(b)	Path	Displays the path of the folder displayed in (c).	
(c)	Folder Contents	Displays the files and folders in the currently open folder.	
(d)	File Name	Specifies the file name.	
(e)	Transfer From HMI	Used to upload the selected project to the destination media.	

7

Handling Errors

This section describes how to troubleshoot errors in the Soft-NA.

Operation after an Error		
Troubl	eshooting	
7-2-1	When the Soft-NA does not start	
7-2-2	Causes and Correction When You Cannot Go Online from the Sysmac Studio 7-3	
7-2-3	Troubleshooting Soft-NA Errors	
	Opera Troubl 7-2-1 7-2-2 7-2-3	

7-1 Operation after an Error

Because the Soft-NA is a Windows application, the operation in the case of an error is same as a general Windows application.

Also, the error status is output in the Windows log - application.



Additional Information

To address problems due to updating Windows as well as security measures, always use the latest Soft-NA.

7-2 Troubleshooting

This section provides flowcharts for basic error identification and troubleshooting, and error corrections in the case of occurrence of an error in the Soft-NA.

7-2-1 When the Soft-NA does not start

The general actions to be taken when the Soft-NA does not start are described below.



Additional Information

If the Soft-NA is started immediately after starting Windows, it may not start normally.

This may be because the start of services necessary for the execution of the Soft-NA and identification of the USB dongle are not complete immediately after Windows is started. Wait for some time before starting the Soft-NA.

When the Soft-NA window is not displayed at all

The following are possible causes.

- There is a problem with the installation status of the Soft-NA.
- · There is a problem in Windows.
- The Soft-NA was not exited by the correct procedure last time.

Execute the following steps, and check if the problem does not occur any more.

- **1** Start the Soft-NA after restarting Windows.
- **2** Start the Soft-NA after stopping the anti-virus software.
- **3** Start the Soft-NA after reinstalling the latest version.
- **4** Execute Windows Update, and start the Soft-NA after setting Windows to the recent state.
- **5** Start the Soft-NA after reinstalling Windows.

When the Soft-NA window is displayed

There could be a problem in the project data. Again transfer the project data from Sysmac Studio to check if the problem still occurs.

If there is no improvement even after transferring the project data again, also refer to the actions to be taken under *When the Soft-NA window is not displayed at all* on page 7-2.

7-2-2 Causes and Correction When You Cannot Go Online from the Sysmac Studio

The following table lists the possible causes when you cannot go online with the Soft-NA from the Sysmac Studio.

Cause	Description	Correction
Incorrect settings or faulty	There is a mistake in the settings that the	Refer to Troubleshooting Incorrect Set-
communications path	Sysmac Studio uses to go online with the	tings and Faulty Communications Path
	Soft-NA. Or, the communications path is	on page 7-4.
	faulty.	
Inability to operate the	An error according to which the opera-	Restart the Soft-NA or PC.
Soft-NA	tion of the Soft-NA stops has occurred.	
High load on the PC	The load on the PC is too high and there	Exit the other applications. Also, execute
	is not enough time to connect to Sysmac	the operation after waiting for processes
	Studio.	being executed in the background, such
		as a virus scan, etc. to end.

Troubleshooting Incorrect Settings and Faulty Communications Path

The actions to take for "Incorrect settings or faulty communications path" are described below.





7

7-2-3 Troubleshooting Soft-NA Errors

The actions to take when an error occurs in the Soft-NA are described below.

Soft-NA is running

• Errors determined from Soft-NA symptoms

Soft-NA symptom	Cause	Correction
Nothing is displayed on the screen	The screen saver functionality has been activated.	This is not an error. Disable the screen saver by clicking the mouse or perform- ing some other action.
There is no response to clicking.	External noise has caused a mal- function.	Shut down the PC and take measures against noise.
	A problem has occurred in an input device, such as the mouse.	Check if the input device is operating normally in an application other than the Soft-NA.
	The application response is delayed due to a high load.	Exit the other applications. Also, wait for processes executed temporarily in the background, such as Windows Update, etc. to end.
The display is dark	There is a problem in Windows or the display settings.	Check Windows and display settings.
Numbers or characters are refreshed too slowly	Communications are not stable due to external noise.	Separate the communications cables from power lines and perform other noise countermeasures.
	There are too many objects on the display screen.	Decrease the number of objects on the screens for which refreshing is slow.
	There is a heavy processing load on the connected device that is resulting in extended cycle times.	Reduce the cycle time of the connected device.
	The message communications interval is too long.	Shorten the refreshing interval of the variable that is allocated to the object.
Gauges are refreshed too slowly	Too many objects overlap the gauges.	If multiple images are stacked behind the gauges, put them together in a single image.
		Lay out the gauges so that they do not overlap with other objects.
Some of the objects on the screen are not displayed	The IsVisible Check Box is not selected in the object settings.	Select the IsVisible Check Box in the object properties on the Sysmac Studio.
		If you change the IsVisible property, e.g., from a subroutine, set it to True.
The trend graph display does not match the actual log timing	The communications address that is set as the event for the log timing is turning ON and OFF at a high speed.	Increase the ON/OFF interval for the communications address used as the event.
Numeric values cannot be input	The upper/lower limit check for numeric inputs is operating.	Check the minimum value and maximum value properties of the object on the Sys- mac Studio and correct them as required.

Soft-NA symptom	Cause	Correction
When an object is touched, noth-	A communications error	Check the connection between the
ing is input or executed	occurred.	Soft-NA and connected device.
	The IsEnabled Check Box is not	Select the IsEnabled Check Box in the
	selected in the object settings.	object properties on the Sysmac Studio.
	Security is set.	If you change the IsEnabled property,
		e.g., from a subroutine, set it to True.
Operation is not possible for all	The Soft-NA is in Input Prohibited	Use the EnableInputOperation function
objects	Mode.	or EnableInputOperation action to
		enable the inputs that are currently pro-
		hibited.
		Log in at a level where input is allowed.
It is not possible to move to the	The currently logged in user does	Go to the System Menu and log in as a
System Menu	not have permission.	level that has permission to display the
		System Menu.

• Errors determined with messages

Output message	Cause	Correction
E_SNA_999	An unexpected error occurred	Restart the Soft-NA.
An unexpected error has	during Runtime execution.	
occurred.		
Restart the Soft-NA.		
E_SNA_001	There is a problem in the project	Transfer the project data again from Sys-
The project data is corrupted.	data.	mac Studio.
Transfer the project data again.		
E_SNA_100	 The Soft-NA was started when 	Exit the running Soft-NA, and then
The Soft-NA is already running.	it was already running.	execute it.
	Soft-NA was started after	Restart the PC.
	Soft-NA terminated incorrectly.	
E_SNA_101	An unexpected error occurred	Restart the Soft-NA.
An unexpected error has	during Runtime execution.	
occurred.		
Restart the Soft-NA.		
E_SNA_102	There is a problem in the project	Transfer the project data again from Sys-
The project data is corrupted.	data.	mac Studio.
Transfer the project data again.		
E_SNA_103	There is a problem in the project	Transfer the project data again from Sys-
The project data is corrupted.	data.	mac Studio.
Transfer the project data again.		
E_SNA_104	The USB dongle cannot be	Insert the USB dongle for the Soft-NA
Insert the USB dongle for	accessed from the Soft-NA.	into the PC.
Soft-NA.		Restart the PC.
		• Try restarting the Soft-NA after waiting
		for around 30 seconds.
E_SNA_105	The USB dongle cannot be	Insert the USB dongle for the Soft-NA
Insert the USB dongle for	accessed from the Soft-NA.	into the PC.
Soft-NA.		• Restart the PC.
		• Iry restarting the Soft-NA after waiting for around 30 seconds.

Output message	Cause	Correction
"Transferring project data to HMI'	Failed to transfer the project data.	 Assign write permission for <soft-na Installation Drive>\OMBON</soft-na
Transfer the project data again.		 Again create the project data for trans- fer in Sysmac Studio.
"Transferring project data from HMI' failed.	Failed to transfer the project data.	 Check if the folder specified as the transfer destination can be accessed.
Check the settings on the transfer destination.		 Assign write permission for the trans- fer destination.
Failed to display documention.	The application for displaying the	Install the application corresponding to
Install the corresponding applica-	document is not installed.	the document attempted to be viewed.
tion.		
Failed to display documention.	A file with an unsupported format	Convert the file to a supported file for-
Please use PDF, WORD, Excel	is set as the document.	mat.
files.		
Unexpected error in media	Windows Media Player is not	 Install the Windows Media Player.
player.	installed.	Convert the file to a supported file for-
	 An attempt is made to play 	mat.
	back a file with an unsupported	
	file format.	

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Appendices

The appendices provide the version upgrade history and other information.

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A-1 Differences between the Soft-NA and the Simulator

The following major differences exist between the Soft-NA and the Simulator. In addition, the display by the Simulator is not guaranteed to be completely compatible with the Soft-NA. Always perform the final check with the Soft-NA on a PC which is going to be used.

- Trend Graph and Broken-line Graph Objects
 The Simulator does not update graphic displays. Fixed still images are displayed.
- ShowTroubleshooter Action and ShowTroubleshooter Function Not operated by the Simulator.
- Media Player Object

There may be some differences in the behavior or timing when a video is replayed. Moreover, the action or function for operating the Media Player Object is not executed.

System Menu
 Not operated by the Simulator.

A-2 Version Upgrade History

This section describes the functions that have been added or enhanced as a result of a version upgrade.

A-2-1 Common Version Upgrade History for Sysmac Studio and the Soft-NA

Sysmac Studio Ver.1.40, Soft-NA Ver.1.00

Item	Description
First release	Support for Soft-NA

Sysmac Studio Ver.1.45, Soft-NA Ver.1.02

Item	Description
Supported Runtime version	Support for Runtime Ver.1.12, 1.13, 1.14, 1.15

Sysmac Studio Ver.1.54, Soft-NA Ver.1.02

Item	Description
Supported Runtime version	Support for Runtime Ver.1.16, 1.17

A-2-2 Soft-NA Version Upgrade History

Soft-NA Ver.1.00

Item	Description
First release	First release

Soft-NA Ver.1.02

Item	Description
Supported Runtime version	Support for Runtime Ver.1.12 to 1.17

A-2-3 Sysmac Studio Corresponding Versions

The table below shows the latest Runtime and Soft-NA versions supported by each version of Sysmac Studio.

Sysmac Studio	Runtime	Soft-NA
1.40	1.11	1.00
1.45	1.12	1.02
	1.13	
	1.14	
	1.15	
1.54	1.16	
	1.17	



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