

General Specifications

NT752AJ
FCN/FCJ Simulator



GS 34P02Q77-01E

■ GENERAL

FCN/FCJ Simulator is a software product that runs on a PC and simulates control applications running on a single FCN/FCJ. FCN/FCJ Simulator facilitates the debugging of control applications, thus improving development efficiency.

■ FUNCTION SPECIFICATIONS

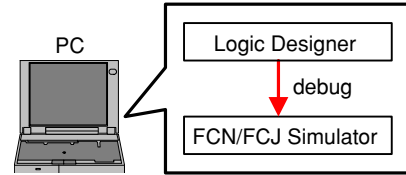
● FCN/FCJ Simulator can be used for the following:

- FCN/FCJ control applications created with a Logic Designer can be debugged with an FCN/FCJ Simulator. Software wiring function can be used in simulation.
- VDS can be debugged by accessing FCN/FCJ Simulator data
- Java applications running on the FCN/FCJ in conjunction with control applications can be debugged on a PC.

FCN/FCJ Simulator can be operated on the same PC as a Logic Designer or VDS. FCN/FCJ Simulator can also be operated on a different PC. One FCN/FCJ can be simulated per PC.

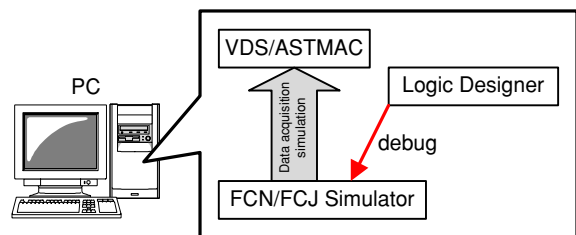
● APPFs that can be operated in FCN/FCJ Simulator:

- PAS Portfolio
- SAMA Portfolio
- General-purpose Portfolio
- Boiler Control Portfolio License
- Boiler Auxiliary Control Portfolio License



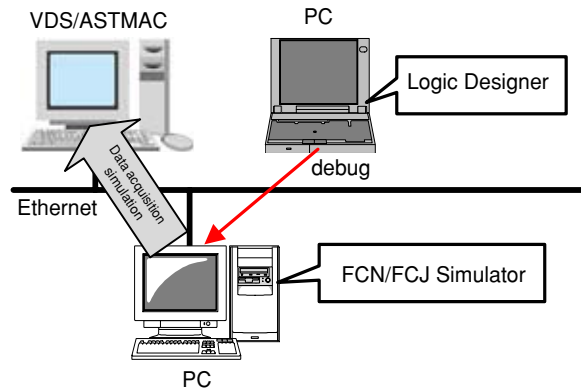
F01E.EPS

Figure FCN/FCJ Simulator (Example 1)



F02E.EPS

Figure FCN/FCJ Simulator (Example 2)



F03E.EPS

Figure FCN/FCJ Simulator (Example 3)

● Functions that Cannot Be Used in FCN/FCJ Simulator

FCN/FCJ Simulator does not allow you to use the following functions:

- FCN/FCJ I/O modules
FCN/FCJ IO modules always remain separated from the simulator.
- Configuration functions through a Web browser
- CPU duplication related functions
- Network duplication related functions

● POU and APPF that Cannot Be Used in FCN/FCJ Simulator

POUs for communications among POU's and FCN/FCJ Application Portfolios (hereinafter referred to as APPF) do not execute communication with other FCN/FCJ or foreign devices in FCN/FCJ Simulator. If it is executed in FCN/FCJ Simulator, will result in an error.

Standard POU's (all POU's for communications) that result in errors in FCN/FCJ Simulator are:

- FCN/FCJ Simulator inter-communications function blocks
- FA-M3 Emulator (serial) function blocks
- Ethernet communications function blocks
- Serial communications function blocks

Major APPF's that do not function on FCN/FCJ Simulator:

- FA-M3 Communication Portfolio
- MELSEC-A Communication Portfolio
- SYSMAC Communication Portfolio
- Modbus Communication Portfolio
- DNP3 Communication Portfolio
- Power Monitor Communication Portfolio
- Temperature Controller Communication Portfolio

● Others

- A Java execution environment is needed on the PC in order to execute Java applications. FCN/FCJ Java Application Development Kit R 1.30.01 or higher is needed.
- The FCN/FCJ Simulator processing speed depends on the specification of the PC. FCN/FCJ Simulator may provide a processing speed higher than the FCN/FCJ. In this case, be sure to confirm the execution speed of control applications on the FCN/FCJ.

■ OPERATING ENVIRONMENT

Same as the Logic Designer operating environment.

■ METHOD OF SOFTWARE SUPPLY

● Software Media

The programs and documents for FCN/FCJ Simulator are supplied as a CD-ROM.

Hence, a CD-ROM drive is required for installation in the computer you use. FCN/FCJ Simulator is included in the media (CD-ROM) of FCN/FCJ Software (Model NT203AJ).

● Order ID Sheet

The FCN/FCJ Simulator license comes with an order ID sheet with the order ID number and password. Access the specified Web site of Yokogawa and enter the order ID number and password shown. Then, the license ID for the supplied software title will be given. To use the software, the given license ID needs to be registered with the ID module.

● ID Module

Connect the ID module (hardware) to the USB of each PC on which FCN/FCJ Simulator will be run. A second ID module (VDS/ASTMAC License) can be installed on a PC that already has an ID module.

■ MODELS AND SUFFIX CODES

● Software Media

		Description
Model	NT203AJ	FCN/FCJ software media
Suffix Codes	-P	Programs (including electronic documentation)
	C	CD-ROM
	1	Always 1
	1	Always 1
	E	English version

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● FCN/FCJ Simulator

		Description
Model	NT752AJ	FCN/FCJ Simulator license
Suffix Codes	-L	License
	U	ID module and order ID sheet for USB
	1	Always 1
	1	Always 1
	A	Standard (same for both Japanese and English versions)

T02E.EPS

● Spare Parts

		Description
Model	NT228AA	ID module for FCN/FCJ Simulator

T03E.EPS

■ ORDERING INSTRUCTIONS

Specify model and suffix codes when ordering.

■ TRADEMARKS

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