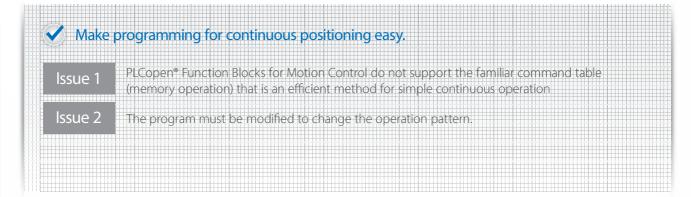


Sysmac Library for NJ/NX/NY Controller

SYSMAC-XR002

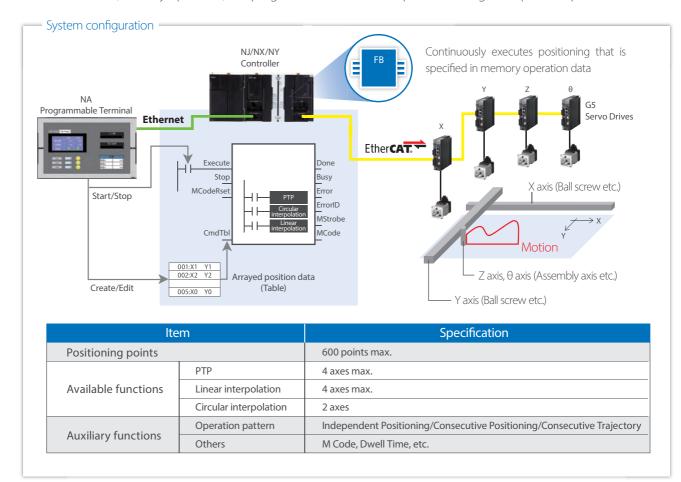
MC Command Table Library





MC Command Table Library offers solution!

The Command Table (Memory Operation) Function Block allows you to program motion control using the familiar command table (memory operation). No program modification is required to change he operation pattern.





[Example] Path control using the Command Table (Memory Operation) Function Block MCC mdTbl_Instance With a single Command Table (Memory Operation) Function Block, you can \\OmronLib\MC_ComdTbIMCCmdTbI perform path control with multi-execution of PTP, linear interpolation, and Axes Group circular interpolation instructions as shown below. CmdTbl CmdTbl Ensble Ensbled 800 Execute Done StepMode CurrentSeqNo Y axis (MC Axis001) [mm] 600 Step MStrobe Arrayed position data (Table) SeaNoSet MCode 400 001:X1 Υ1 SegNo DigitalOutputs 002:X2 Y2 MCodeReset Busy 200 CommandAborted 005:X0 Y0 Error 0 600 ErrorID X axis (MC Axis000) [mm] ErrorID Ex

Compatible Models

Name	Model	Version
Machine Automation Controller NJ/NX CPU Unit	NX701-1□□□/ NJ101-1□□□*1	Version 1.10 or later
	NJ501-□□□/ NJ301-□□□	Version 1.10 or later
	NX1P2-1 (1) *2	Version 1.13 or later
	NX102-□□□	Version 1.30 or later
	NX502-□□□	Version 1.60 or later
Industrial PC Platform	NY5□□-1	Version 1.12 or later
NY IPC Machine Controller	NY5□□-5	Version 1.18 or later
Automation Software Sysmac Studio	SYSMAC-SE2□□□	Version 1.14 or higher
G5 Servo Drive with Built-in EtherCAT Communications	R88D-KN□□□-ECT	Version 2.10 or later

^{*1.} When you use this function block with NJ101-10 \,\text{\subset}, you can use a maximum of two real servo axes.

Function Block (FB) Specifications

Name	FB name	Description
Command Table (Memory Operation)	MCCmdTbl	Continuously executes positioning that is specified in memory operation data for axes groups that are defined in the MC Function Module.

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

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Authorized Distributor:

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CSM_2_3

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^{*2.} When you use this function block with NX1P2-10 \, you can use a maximum of two real servo axes.