

Necessary Software & Device List

FA Application Package

Product name	Manufacturer	Model	Number of licenses ^{*1}
FA Application Package iQ Monozukuri Rotary Machine Vibration Diagnosis	Mitsubishi Electric Corporation	AP10-VID001AA-MA	1
		AP10-VID001AA-MB	5
		AP10-VID001AA-MC	10
		AP10-VID001AA-MD	15
		AP10-VID001AA-ME	20
		AP10-VID001AA-MF	25

*1: One license is required per system.

Software

Product name	Quantity	Manufacturer	Model	Remarks
PLC Engineering Software MELSOFT GX Works3	1	Mitsubishi Electric Corporation	SW1DND-GXW3-E	Version 1.055H or later
GOT Screen Design Software MELSOFT GT Works3 ^{*1}	1	Mitsubishi Electric Corporation	SW1DND-GTWK3-E	Version 1.217B or later

*1: MELSOFT GT Designer3 is included in MELSOFT GT Works3.

Device

Device name	Quantity	Manufacturer	Model	Remarks	
GOT	1	Mitsubishi Electric Corporation	GT2712-STBA/D	Screen size: 12.1-inch SVGA	Any of the models on the left
			GT2712-STWA/D	Screen size: 12.1-inch SVGA	
Power supply module ¹	1 to 5	Mitsubishi Electric Corporation	R61P	-	
			R62P		
			R63P		
			R64P		
Main base unit ¹	1 to 5	Mitsubishi Electric Corporation	R33B	-	
			R35B		
			R38B		
			R312B		
CPU module	1	Mitsubishi Electric Corporation	R16CPU	Use the product with the firmware version "40" or later.	Any of the models on the left
			R32CPU		
			R120CPU		
			R16ENCPU		
			R32ENCPU		
			R120ENCPU		
Extended SRAM cassette ²	1	Mitsubishi Electric Corporation	NZ2MC-4MBS	Extended SRAM cassette 4MB	Any of the models on the left
			NZ2MC-8MBS	Extended SRAM cassette 8MB	
High-speed analog input module ³	1 to 4	Mitsubishi Electric Corporation	R60ADH4	Use the product with the firmware version "04" or later.	
SD memory card ⁴	0 to 2	Mitsubishi Electric Corporation	NZ1MEM-2GBSD	SD memory card 2 GB	Any of the models on the left
			NZ1MEM-4GBSD	SDHC memory card 4 GB	
			NZ1MEM-8GBSD	SDHC memory card 8 GB	
			NZ1MEM-16GBSD	SDHC memory card 16 GB	

Device name	Quantity	Manufacturer	Model	Remarks
Vibration sensor (acceleration sensor) ^{*5}	1 to 16	TOKIN Corporation	VS-JV10A	Any of the models on the left
		Shinkawa Electric Co., Ltd.	CA-L02	
		ifm electronic gmbh	VSA004	
		PCB Piezotronics, Inc.	607M83	
		TE Connectivity Ltd.	805M4	

*1: Use two modules for the stand-alone configuration, and two to five modules for the network support configuration.

*2: When five or more management channels are used, an extended SRAM cassette (model: NZ2MC-8MBS) is required.

*3: Up to four vibration sensors (acceleration sensors) can be connected per this module.

*4: It must be installed in the PLC CPU to save the vibration data in the CSV file.

It must be inserted to the GOT to save GOT screen captures or sample data groups of MT method diagnosis.

*5: One of the sensors that are tested by Mitsubishi Electric are described.

For details refer to iQ Monozukuri Rotary Machine Vibration Diagnosis Tested Device Information "Technical News BCN-E2113-0034".

Optional Devices^{*1}

Device name	Quantity	Manufacturer	Model	Remarks
CC-Link IE Field Network master/local module ^{*2}	1	Mitsubishi Electric Corporation	RJ71GF11-T2	Any of the models on the left
Ethernet module ^{*2,3}	1	Mitsubishi Electric Corporation	RJ71EN71	
CC-Link IE Field Network remote head module ^{*2}	1 to 4	Mitsubishi Electric Corporation	RJ72GF15-T2	Up to four MELSEC iQ-R series CC-Link IE Field Network remote head modules can be connected.

*1: For other supported devices, contact your local Mitsubishi Electric representative.

*2: It is used when the diagnosis target is multiple devices or away from the PLC CPU.

*3: Use this module as the CC-Link IE Field Network master module.

Procedure of license key authentication

FA application package "iQ Monozukuri Rotary Machine Vibration Diagnosis" requires license key authentication.

The procedure of obtaining and authenticating the license key is as follows:

