

## Sales and Service

### Production Discontinuation of SSCNET and SSCNET III Compatible Q Series Motion Controllers and MELSEC-Q Series Positioning Modules

Thank you for your continued patronage of the Mitsubishi Electric servo system controllers and Mitsubishi Electric FA products.

The Q series Motion controllers and MELSEC-Q series positioning modules, which are compatible with SSCNET and SSCNET III, have been on market for a long time. However, we will discontinue their production as scheduled below. We ask for your understanding in this matter.

For details of the production discontinuation of MELSEC High Performance model QCPUs and Basic model QCPUs, refer to the Mitsubishi Electric programmable controller technical bulletin "Production discontinuation of the High Performance model QCPU, Basic model QCPU, and QCPU-A (A mode)" (FA-A-0223).

#### 1. Production Discontinuation

Transition to made-to-order production: June 30, 2017

Order acceptance: Through August 31, 2018

Production discontinuation: September 30, 2018

#### 2. Reasons for Discontinuation

We have difficulty in obtaining some components for the relevant models. Thus, we presume that the production of the models will not be continued smoothly.

#### 3. Repair Acceptance

Repair acceptance: Through September 30, 2025 (for seven years after the production discontinuation)

#### 4. Models to Be Discontinued

We will discontinue the production of SSCNET and SSCNET III compatible Q series Motion controllers, their optional modules, software packages, and SSCNET and SSCNET III compatible MELSEC-Q series positioning modules.

Tables 1 to 3 show the details of the models to be discontinued.

Table 1. Models to be discontinued (controllers)

Product name	Model	Product name	Model
SSCNET compatible Motion controller	Q172CPUN	SSCNET compatible Positioning module	QD75M1
	Q172CPUN-T		QD75M2
	Q173CPUN		QD75M4
	Q173CPUN-T	SSCNET III compatible Positioning module	QD75MH1
	Q173CPU-S1		QD75MH2
SSCNET III compatible Motion controller	Q172HCPU	QD75MH4	
	Q172HCPU-T		
	Q173HCPU		
	Q173HCPU-T		

\* The production of the special models related to the models in Table 1 will also be discontinued.

<b>Date of issue</b>	December 2016	<b>Title</b>	Production Discontinuation of SSCNET and SSCNET III Compatible Q Series Motion Controllers and MELSEC-Q Series Positioning Modules	Mitsubishi Electric Corp., Nagoya Works 1-14, Yada-minami 5-chome, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
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Table 2. Models to be discontinued (optional modules, cables)

Product name	Model	Product name	Model
Motion dedicated module	Q172LX	Teaching unit	A31TU-D3K13
	Q172EX		A31TU-D3K54
	Q172EX-S1		A31TU-DNK13
	Q172EX-S2		A31TU-DNK54
	Q172EX-S3	Cable/terminal connector	Q172J2BCBL□M
	Q173PX		Q172J2BCBL□M-B
Q173PX-S1	Q173J2B△CBL□M		
Dividing unit	Q173DV		Q173DVCBL□M
	Q173DV-S1		Q172HBCBL□M
	Q173DV-S2		Q172HBCBL□M-B
Battery holder unit	Q170BAT		Q173HB△CBL□M
	Q170HBATC		Q170TUD3CBL□M
Cooling fan unit	Q170FAN		Q170TUDNCBL□M
			Q170TUDNCBL□M-A
		Q170TUTM	
		A31TUD3TM	

\* For cable models, □ indicates a cable length, and △ indicates the number of SSCNET branched systems. The production of the special models related to the models in Table 2 will also be discontinued.

Table 3. Models to be discontinued (software packages)

Product name	Model	Product name	Model
Operating system software package	SW6RN-SV13QB	Mechanical library package	SW5RN-SV54QBR220
	SW6RN-SV13QD		SW5RN-SV54QBR230
	SW6RN-SV13QK		SW5RN-SV54QBR231
	SW6RN-SV13QM		SW5RN-SV54QBR233
	SW6RN-SV22QA		SW5RN-SV54QBR240
	SW6RN-SV22QC		SW5RN-SV54QBR241
	SW6RN-SV22QJ		SW5RN-SV54QDR220
	SW6RN-SV22QL		SW5RN-SV54QDR230
	SW5RN-SV43QA		SW5RN-SV54QDR231
	SW5RN-SV43QC		SW5RN-SV54QDR233
	SW5RN-SV43QJ		SW5RN-SV54QDR240
	SW5RN-SV43QL		SW5RN-SV54QDR241
	SW5RN-SV54QB		SW5RN-SV54QKR220
	SW5RN-SV54QD		SW5RN-SV54QKR230
	SW5RN-SV54QK		SW5RN-SV54QKR231
	SW5RN-SV54QM		SW5RN-SV54QKR233
			SW5RN-SV54QKR240
	SW5RN-SV54QKR241		
	SW5RN-SV54QMR220		
	SW5RN-SV54QMR230		
	SW5RN-SV54QMR231		
	SW5RN-SV54QMR233		
	SW5RN-SV54QMR240		
	SW5RN-SV54QMR241		

\* The production of the special models related to the models in Table 3 will also be discontinued.

## 5. List of Replacement Models

Table 4. List of replacement models

Model to be discontinued			Replacement model		
Product name	Model		Product name	Model	Compatible servo amplifier
SSCNET compatible Motion CPU module (Note 1, 2, 3)	Q172CPUN	Q172CPUN-T	SSCNET III/H compatible Motion CPU module	Q172DSCPU (16 axes)	MR-J4 series
	Q173CPUN			Q173DSCPU (32 axes)	
	Q173CPU-S1 (Note 4)	Contact your local sales office.			
SSCNET III compatible Motion CPU module (Note 1, 2, 3)	Q172HCPU	Q172HCPU-T	SSCNET III/H compatible Motion CPU module	Q172DSCPU (16 axes)	MR-J4 series
	Q173HCPU			Q173DSCPU (32 axes)	
	Q173HCPU-T				
SSCNET compatible Positioning module	QD75M1	QD75M2	SSCNET III/H compatible Simple Motion module	QD77MS2 (2 axes)	MR-J4 series
	QD75M4			QD77MS4 (4 axes)	
	QD75MH1	QD75MH2	SSCNET III/H compatible Simple Motion module	QD77MS2 (2 axes)	MR-J4 series
QD75MH4	QD77MS4 (4 axes)				
Operating system software package	SV13	SW6RN-SV13Q_	Operating system software package (Note 5)	SW8DNC-SV13Q_	-
	SV22	SW6RN-SV22Q_		SW8DNC-SV22Q_	-
	SV43	SW5RN-SV43Q_	Contact your local sales office.		
	SV54	SW5RN-SV54Q_			
Mechanical library package	SV54	SW5RN-SV54Q_R2_			

- Note 1. To replace a module with Q17nDSCPU, the programmable controller CPU also needs to be replaced with a Universal model QCPU (QnUDVCPU).
- Note 2. To replace a module with Q17nDSCPU, the main base unit also needs to be replaced with a multiple CPU high-speed main base unit (Q35DB, Q38DB, or Q312DB).  
Please note that the mounting position and the size are different when replacing. The main base unit for Q17nDSCPU has five slots (Q35DB) as minimum, whereas the main base unit for Q17nCPUN and Q17nHCPU has three slots (Q33B) as minimum.
- Note 3. When a Motion dedicated module (Q172LX, Q172EX(-Sn), or Q173PX(-S1)) is used, replace it with Q172DLX, Q172DEX, or Q173DPX.  
Along with the replacement, the main base unit needs to be replaced with Q35DB, Q38DB, or Q312DB. Thus, Q172DLX, Q172DEX, or Q173DPX cannot be installed in the CPU slot and slots 0 to 2 of the main base unit.
- Note 4. The cooling fan unit (Q170FAN) for Q17nCPU(-S1) has a service life. Therefore, secure spare parts considering the estimated number of operating years.
- Note 5. Q17nDSCPU is shipped with the operating system software (SW8DNC-SV22Q\_) pre-installed.

## 6. Documents for Replacement

Refer to the following documents to replace a MELSEC High Performance model QCPU or Basic model QCPU with a Universal model QCPU.

Table 5. Documents for replacing programmable controller CPUs

Document	Document No.
Method of replacing High Performance model QCPU with Universal model QCPU (Introduction)	FA-A-0209
Method of replacing High Performance model QCPU with Universal model QCPU	FA-A-0001
Method of replacing Basic model QCPU with Universal model QCPU	FA-A-0054