FA-A-0418-A

Production Discontinuation of Some MELSEC-Q Series CPU Modules in October 2026

■Date of Issue

October 2023

■Relevant Models

Q03UDCPU, Q03UDECPU, Q04UDHCPU, Q04UDEHCPU, Q06UDHCPU, Q06UDEHCPU, Q10UDHCPU, Q10UDEHCPU, Q13UDHCPU, Q13UDEHCPU, Q20UDHCPU, Q20UDEHCPU, Q26UDHCPU, Q26UDEHCPU

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC-Q series.

This technical bulletin informs you that production of the following Universal model QCPU modules will be discontinued.

We appreciate your kind understanding.

1   MODELS TO BE DISCONTINUED

Product	Model
Universal model QCPU	Q03UDCPU
	Q03UDECPU
	Q04UDHCPU
	Q04UDEHCPU
	Q06UDHCPU
	Q06UDEHCPU
	Q10UDHCPU
	Q10UDEHCPU
	Q13UDHCPU
	Q13UDEHCPU
	Q20UDHCPU
	Q20UDEHCPU
	Q26UDHCPU
	Q26UDEHCPU

2 SCHEDULE

Order acceptance: Until September 30, 2026

Production discontinuation: October 30, 2026

3 REASON FOR DISCONTINUATION

Some parts of the above products are now obsolete, and we will have difficulty to maintain our production system.

4 REPAIR SUPPORT

Repair support period: Until October 31, 2033 (for seven years after the discontinuation of production)

5 MODELS RECOMMENDED FOR REPLACEMENT

Please consider using a High-speed Universal model QCPU (QnUDVCPU) or a MELSEC iQ-R series CPU (RnCPU) as the alternative model when replacing those Universal model QCPUs.

☞ Page 3 When Replacing With a High-speed Universal Model QCPU

☞ Page 5 When Replacing With a MELSEC iQ-R Series CPU Module

Model to be discontinued		Model recommended for replacement	
MELSEC-Q series		MELSEC-Q series	MELSEC iQ-R series
Product	Model	Model	Model
Universal model QCPU	Q03UDCPU	Q03UDVCPU	R04CPU
	Q03UDECPU		
	Q04UDHCPU	Q04UDVCPU	
	Q04UDEHCPU		
	Q06UDHCPU	Q06UDVCPU	R08CPU
	Q06UDEHCPU		
	Q10UDHCPU	Q13UDVCPU	R16CPU
	Q10UDEHCPU		
	Q13UDHCPU		
	Q13UDEHCPU		
	Q20UDHCPU	Q26UDVCPU	R32CPU
	Q20UDEHCPU		
	Q26UDHCPU		
	Q26UDEHCPU		

5.1   When Replacing With a High-speed Universal Model QCPU

When replacing with a High-speed Universal model QCPU, check the following.

Discontinued model	Alternative model	
Model	**Model**	**Performance specifications (Discontinued model → Alternative model)**
Q03UDCPU	Q03UDVCPU	• Program capacity: 30K steps • Basic instruction processing speed: 20ns → 1.9ns • Program memory capacity: 120K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q03UDECPU		• Program capacity: 30K steps • Basic instruction processing speed: 20ns → 1.9ns • Program memory capacity: 120K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q04UDHCPU	Q04UDVCPU	• Program capacity: 40K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 160K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q04UDEHCPU		• Program capacity: 40K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 160K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q06UDHCPU	Q06UDVCPU	• Program capacity: 60K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 240K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q06UDEHCPU		• Program capacity: 60K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 240K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q10UDHCPU	Q13UDVCPU	• Program capacity: 100K steps → 130K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 400K bytes → 520K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q10UDEHCPU		• Program capacity: 100K steps → 130K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 400K bytes → 520K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q13UDHCPU		• Program capacity: 130K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 520K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q13UDEHCPU		• Program capacity: 130K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 520K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette

Discontinued model	Alternative model	
Model	**Model**	**Performance specifications (Discontinued model → Alternative model)**
Q20UDHCPU	Q26UDVCPU	• Program capacity: 200K steps → 260K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 800K bytes → 1040K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q20UDEHCPU		• Program capacity: 200K steps → 260K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 800K bytes → 1040K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q26UDHCPU		• Program capacity: 260K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 1040K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q26UDEHCPU		• Program capacity: 260K steps • Basic instruction processing speed: 9.5ns → 1.9ns • Program memory capacity: 1040K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette

For details on comparing the specifications of each module, refer to the following.

📖 Precautions for replacing QnUD(E)(H)CPU with QnUDVCPU (FA-A-0147)

For the safety observation function which is supported by combination of a High-speed Universal model QCPU and a motion CPU, we plan to complete the action by the date of production discontinuation of Universal model QCPUs.

5.2   When Replacing With a MELSEC iQ-R Series CPU Module

When replacing with a MELSEC iQ-R series CPU module, check the following.

Discontinued model	Alternative model	
Model	**Model**	**Performance specifications (Discontinued model → Alternative model)**
Q03UDCPU	R04CPU	• Program capacity: 30K steps → 40K steps • Basic instruction processing speed: 20ns → 0.98ns • Program memory capacity: 120K bytes → 160K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q03UDECPU		• Program capacity: 30K steps → 40K steps • Basic instruction processing speed: 20ns → 0.98ns • Program memory capacity: 120K bytes → 160K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q04UDHCPU		• Program capacity: 40K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 160K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q04UDEHCPU		• Program capacity: 40K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 160K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q06UDHCPU	R08CPU	• Program capacity: 60K steps → 80K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 240K bytes → 320K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q06UDEHCPU		• Program capacity: 60K steps → 80K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 240K bytes → 320K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q10UDHCPU	R16CPU	• Program capacity: 100K steps → 160K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 400K bytes → 640K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q10UDEHCPU		• Program capacity: 100K steps → 160K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 400K bytes → 640K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q13UDHCPU		• Program capacity: 130K steps → 160K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 520K bytes → 640K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q13UDEHCPU		• Program capacity: 130K steps → 160K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 520K bytes → 640K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette

Discontinued model	Alternative model	
Model	**Model**	**Performance specifications (Discontinued model → Alternative model)**
Q20UDHCPU	R32CPU	• Program capacity: 200K steps → 320K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 800K bytes → 1280K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q20UDEHCPU		• Program capacity: 200K steps → 320K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 800K bytes → 1280K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q26UDHCPU		• Program capacity: 260K steps → 320K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 1040K bytes → 1280K bytes • Communication interface: USB (connector type: miniB)/RS-232 → USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette
Q26UDEHCPU		• Program capacity: 260K steps → 320K steps • Basic instruction processing speed: 9.5ns → 0.98ns • Program memory capacity: 1040K bytes → 1280K bytes • Communication interface: USB (connector type: miniB)/Ethernet • Memory card: SRAM/Flash/ATA card → SD memory card/extended SRAM cassette

For details on comparing the specifications of each module, refer to the following.

📖 MELSEC-Q series to MELSEC iQ-R series Migration Guide (L08510ENG)

6   RECOMMENDABLE PROPOSALS

Please purchase the applicable model by the order acceptance deadline (September 30, 2026) or consider replacing with a model recommended for replacement.

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REVISIONS

Version	Date of Issue	Revision
A	October 2023	First edition

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