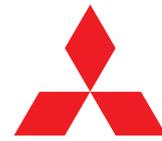




for a greener tomorrow



**MITSUBISHI
ELECTRIC**

Changes for the Better

FACTORY AUTOMATION

MELSEC iQ-R Series C Controller

New product release No. 348E

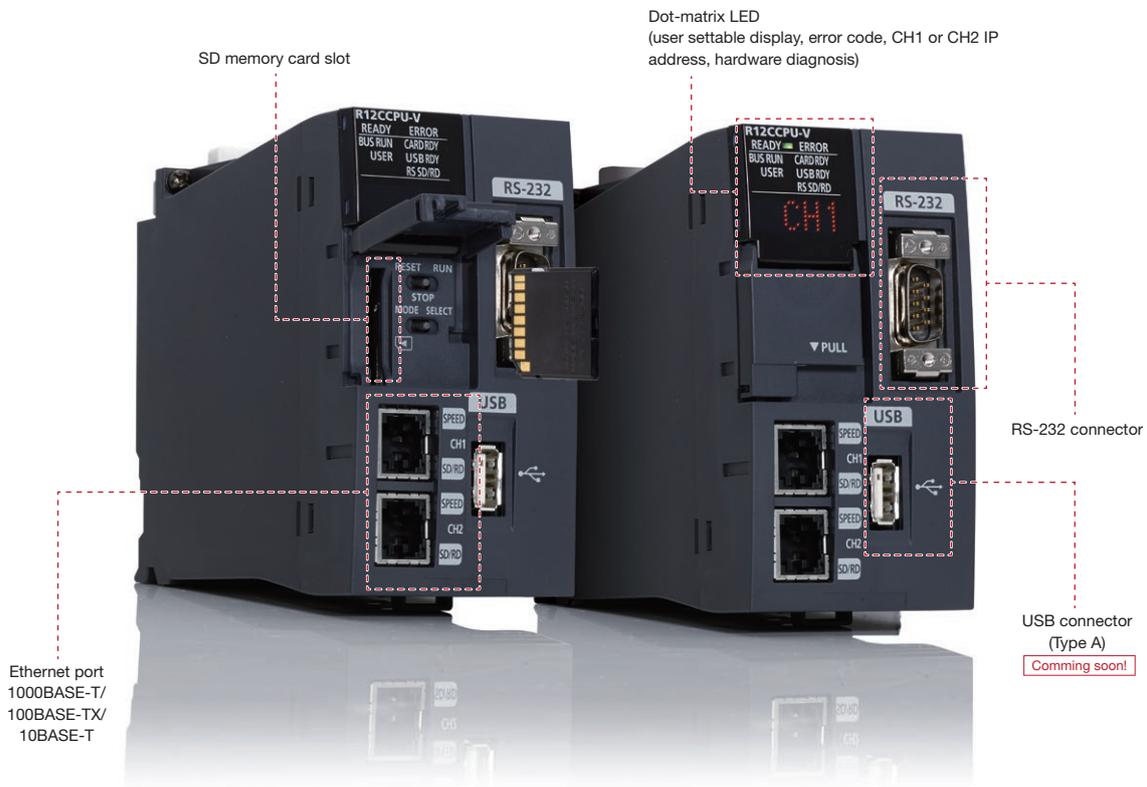
MELSEC iQ-R
series



MELSEC iQ-R Series C Controller module

R12CCPU-V NEW

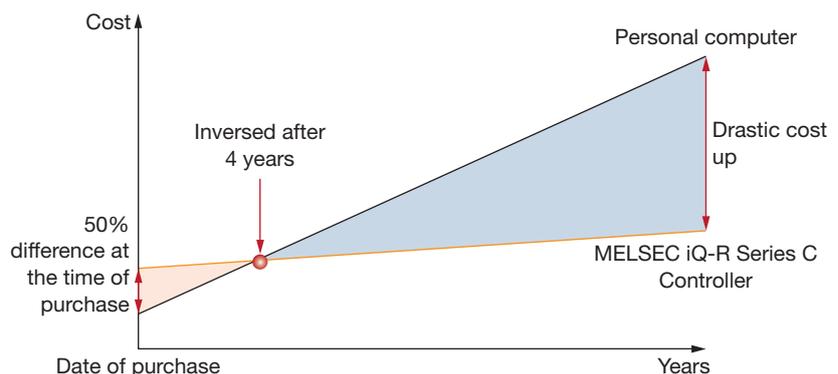
The C Controller module is part of the application-specific range in the MELSEC iQ-R Series. The multi-core ARM®-based controller pre-installed with VxWorks® Version 6.9, realizes the simultaneous execution of programs, thereby providing a robust and deterministic alternative to computer based systems. Utilizing a fan-less hardware design, the C Controller is ideal for clean fab-based applications where dust circulation can be detrimental to the production environment. The C Controller utilizes the high-performance, flexible, and robust features of the MELSEC iQ-R Series to provide an industrial-grade automation control system.



Reducing the TCO in a long run

When personal/micro computers are part of a system, the maintenance cost multiplies as the system gets older. The highly-reliable MELSEC iQ-R Series C Controller incurs minimal maintenance overhead with its stably-supplied components, reducing TCO in a long run.

■ Maintenance cost over time



For purchase and inquiries, please contact your local Mitsubishi Electric representative.

PERFORMANCE SPECIFICATIONS		
Item	R12CCPU-V	
Hardware	Endian format	Little endian
	MPU	ARM® Cortex-A9 Dual Core
	Working RAM	256 MB
	ROM	12 MB
	Backup RAM	4 MB
Software	OS	VxWorks® Version 6.9
	Programming language	C language (C/C++)
	Programming development environment	CW Workbench/Wind River Workbench3.3
	MELSEC iQ-R Series C Controller module setting/monitoring tool	CW Configurator (SW1DND-RCCPU)
Communication interface	USB	Comming soon!
	Ethernet	2CH (1000BASE-T/100BASE-TX/10BASE-T)
	RS-232	1CH (9600...115200 bps)
	SD memory slot card	1 slot

PRODUCT LIST	
Model	Outline
R12CCPU-V	Endian format, little endian; OS, VxWorks® Version 6.9
SW1DND-RCCPU-E	CW Configurator, setting and monitoring tool for MELSEC iQ-R Series C Controller
SW1DND-CWWR-E	Engineering tool for MELSEC iQ-R C Controller module
SW1DND-CWWR-EZ	Additional license for R12CCPU-V
SW1DND-CWWR-EVZ	Update license for R12CCPU-V
SW1DND-CWSIMR-EZ	VxWorks® simulation environment for CW Workbench, additional license
SW1DNC-CWSIMSAR-E	VxWorks® simulation environment for CW Workbench, standalone type
NZ1MEM-2GBSD	SD memory card, 2G bytes
NZ1MEM-4GBSD	SDHC memory card, 4G bytes
NZ1MEM-8GBSD	SDHC memory card, 8G bytes
NZ1MEM-16GBSD	SDHC memory card, 16G bytes

Country/Region Sales office

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• To use the products given in this publication properly, always read the relevant manuals before use.