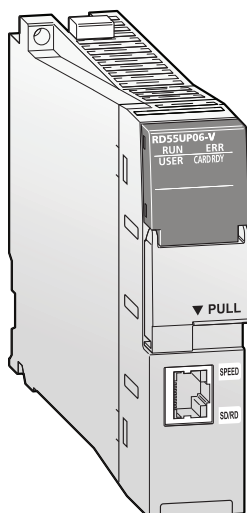


■ C intelligent function module



C/C++ program execution

The C Intelligent function module is available with a multi-core ARM®-based controller pre-installed with VxWorks® Version 6.9, which realizes simultaneous execution of programs, thereby providing a robust and deterministic alternative to computer-based systems. Utilizing a fan-less hardware design, the C Intelligent function module is ideal for clean fab-based environments, where dust circulation can be detrimental to the production environment, and can be used for applications such as in-line production quality testing or as a gateway for various industry-specific communications protocols.

Special features:

- Realize complex arithmetic equations in C/C++
- Application development in simple steps
- Emulates the same features as a standalone C Controller
- SD memory card slot

Specifications		RD55UP06-V
Hardware	Endian format	Little endian
	MPU	ARM® Cortex-A9 Dual Core
	Working RAM	128 MB
	ROM	12 MB
Software	Operating system	VxWorks Version 6.9
	Programming language	C language (C/C++)
	Programming development environment	CW Workbench/Wind River Workbench3.3
	Setting/monitoring tool	GX Works3 (SW1DND-GXW3-E) ①
Communication interface		Ethernet (1000BASE-T/100BASE-TX/10BASE-T) (1 CH)
Occupied I/O points		32
Clock		Obtained from a programmable controller CPU (in multiple CPU system, CPU No. 1).
Internal power consumption (5V DC)		A 1.09
Weight		kg 0.24
Dimensions (WxHxD)		mm 27.8x106x110
Order information		Art. no. 303298

① Setting and monitoring of the module is integrated within the GX Works3 engineering software.

Accessories for the iQ-R series from page 114 onward!