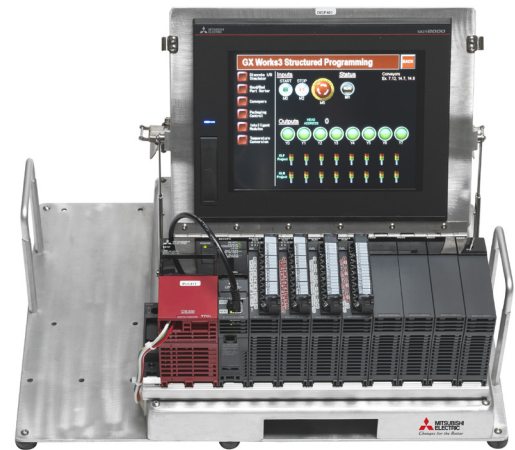# iQ-R PLC Simulator

Model Number: iQ-R PLC SIM

The iQ-R PLC Simulator takes advantage of our feature rich iQ-R modular PLC, special function modules, GT27 HMI, GX Works3 and GT Works3 software to offer training facilities an off the shelf solution to meet their teaching needs.

PURPOSE

Designed for the classroom environment, this unit easily sits on a desktop and is portable. The iQ-R PLC Simulator provides students with advanced configuration and programming capability. Utilizing MELSOFT GX Works3 and GT Works3 software, students will learn to configure and program the iQ-R PLC and GT27 HMI. Mitsubishi Electric's iQ-R is a full featured control platform with fast processing speeds, network and module synchronization, and multi-discipline control. Students utilizing this simulator will benefit from being trained on the latest technology, while being prepared to lead in the respective industries they intend to pursue.

Simulator Features	Simulator Benefits
All critical components integrated into a compact assembly.	Delivers a hands-on experience for instructors and students.
Multi-discipline control with up to 4 CPUs in a single rack and a high speed bus.	Provides synchronized data communication between process, motion, and sequential control.
Built-in SD memory card database.	Provides recipe and data logging functionality.
Supports the addition of various modules for enhanced capabilities of motion control, networking, etc.	Plug and play expansion capability allows the addition of intelligent function and data logging modules along with stepper, servo and VFD components.
GX Works3 Software	Built-in functions and configuration screens reduces development and troubleshooting time.

Primary Components	Website Link: Additional Information
iQ-R Series CPU	iQ-R Series CPU Overview
RX40C7 16 Point Input	iQ-R Series I/O Digital Module Overview
RY40NT5P 16 Point Sink Trans Output	
R60AD4 4 Channel Analog Input	iQ-R Series I/O Analog Module Overview
R60DA4 4 Channel Analog Output	
GT2708 – 8.4" HMI display with USB 2.0, RS-232,RS-422/485, SDHC	GT27 Series HMI Overview
GX Works3 Software	GX Works3 Overview
GT Works3 Software	GT Works3 Software Overview

The following provides critical dimensions and weight information.
Dimensions (WxHxD) inches: 18.75 x 13.375 x 7 • Weight (lbs): 20

Learn more about Mitsubishi Electric's Diamondworks! Workforce Development Program at: Diamondworks
View the complete offering of Mitsubishi Electric simulator solutions at: Training Education Resources
Contact us to learn more about Diamondworks! Workforce Development: Diamondworks@meau.com

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