

iQ PLC SIMULATOR

MODEL NUMBER: iQ PLC SIM



The iQ PLC Simulator incorporates our popular iQ Series PLC and GT27 HMI. This simulator delivers teachers an off the shelf solution to address teaching or testing requirements.

PURPOSE

Designed for the classroom environment, this unit easily sits on a desktop and is portable. Utilizing MELSOFT GX Works2 (included in your purchase of GX Works3) and GT Works3, students will learn to configure and program both PLC and HMI. Once the simulator is configured and programmed, the student can validate performance by cycling the unit to verify functionality without the risk of physical machine damage. Modular in design, the iQ PLC Simulator is a cost-effective training solution. Students utilizing this simulator benefit from being trained on one of Mitsubishi Electric's most popular PLCs. The iQ Series PLC is commonly used by machine tool builders and system integrators serving the industrial automation and automotive markets around the world.

Simulator Features	Simulator Benefits
All critical components integrated into a compact assembly	Delivers a hands-on experience for instructors and students.
Ability to integrate VFDs and servo drives	Expandable capability with plug-and-play functionality.
(2) digital and (2) analog input and output modules standard	Provides the ability to simulate a multitude of applications using digital and analog functions common in industrial automation
Extra-durable HMI that delivers flexible configuration, programming and storage of data capability	Programming available through touchscreen, USB port or PC with data collection and storage.
GX Works2 Software	Supports multiple programming languages for use in function block diagram, ladder logic, structured text and sequential function chart methods.
GT Works3 Software	This revolutionary and intuitive design environment provides host of attributes and graphical elements needed to quickly and easily develop visualization projects.

Primary Components	Website Link: Additional Information
iQ Series CPU	iQ Series CPU Overview
QX40 Q Series Input Module, 16 Point, 24 VDC Sink Input	iQ Series Digital I/O Module Overview
QY40P Q Series Output Module, 16 Point, Sink Transistor Output	
Q64AD Q Series Analog Module, 4 Channel Input, Voltage/Current	iQ Series Analog I/O Module Overview
Q64DAN Q Series Analog Module, 4 Channel Output, V/I, ISOL. PWR	
GT2708 – 8.4" HMI display with USB 2.0, RS-232, RS-422/485, SDHC	GT27 Series HMI Overview
GX Works2 Software	GX Works2 Software Overview
GT Works3 Software	GT Works3 Software Overview

The following provides critical dimensions and weight information.
Dimensions (W x H x D) 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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