

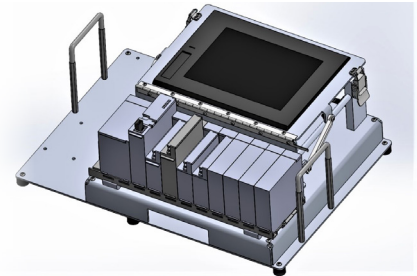
# iQ PLC Simulator

**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 Works3 and GT Works3 software, 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 Works3 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	<a href="#">iQ Series CPU Overview</a>
QX40 Q Series Input Module, 16 Point, 24 VDC Sink Input	<a href="#">iQ Series Digital I/O Module Overview</a>
QY40P Q Series Output Module, 16 Point, Sink Transistor Output	
Q64AD Q Series Analog Module, 4 Channel Input, Voltage/Current	<a href="#">iQ Series Analog I/O Module Overview</a>
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	<a href="#">GT27 Series HMI Overview</a>
GX Works3 Software	<a href="#">GX Works3 Software Overview</a>
GT Works3 Software	<a href="#">GT Works3 Software Overview</a>

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](mailto:Diamondworks@meau.com)

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