

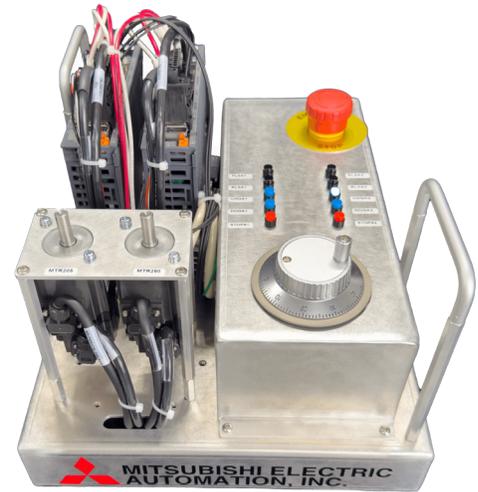
iQ-F SERVO EXTENSION

Model Number: EDU iQ-F SRVO EXT

Mitsubishi Electric Automation's iQ-F Servo Extension kit seamlessly connects to your iQ-F PLC SIM, providing students with hands-on experience in motion control without complex setup procedures.

PURPOSE

Designed for any classroom and training environment, the iQ-F Servo Extension kit pairs with Mitsubishi Electric Automation's iQ-F PLC SIM for immediate motion control functionality. Featuring two HG Series servo motors and two MR-J4 amplifiers, students will learn everything from basic point-to-point movements to intricate synchronized operations, achieving precise control over a wide range of motion applications with ease. By utilizing the connectivity of the iQ-F Servo Extension kit with the iQ-F PLC SIM, students will learn to configure and program the PLC, servo drives, and HMI using MELSOFT GX Works3 and GT Works3 software platforms. This allows for the simulation of real industrial applications, delivering a wide variety of programming capabilities and functionality for entry level to advanced curriculum.



Simulator Features	Simulator Benefits
All critical components integrated into a compact assembly.	Delivers a hands-on experience for instructors and students.
Built-in SD memory card database.	Provides recipe and data logging functionality.
Rotational speeds up to 6,000 RPM. Built-in high resolution absolute position encoder.	Enables users to easily replicate a wide variety of applications where speed and position are critical.
A servo module that can be added to the expansion capability of our iQ-F PLC SIM.	Easily connects to the iQ-F PLC SIM for enhanced servo capability.
GX Works3 Software	Simple Motion functionality within GX Works3 allows users to implement motion control applications using PLC programming languages.
GT Works3 Software	Configure, program, and Design GOT (HMI) screens

Primary Components	Website Link: Additional Information
FX-40SSC-S	iQ-F FX5-40SSC-S User's Manual
HG-KR13 Servo Motor 100W 200 VAC	HG Series Servo Motor Overview
MR-J4-10B1-RJ SRVAMP, 100W, SSCNET III/H, fully closed loop	MR-J4 Servo Amplifier Card Overview
MR-HDP01	Manual Pulse Generator; 25 PPR

The following provides critical dimensions and weight information.
 Dimensions (WxHxD) inches: 11.25 x 13.5 x 11 • Weight (lbs): 22

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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