Introducing the FX90 Supervisory Controller
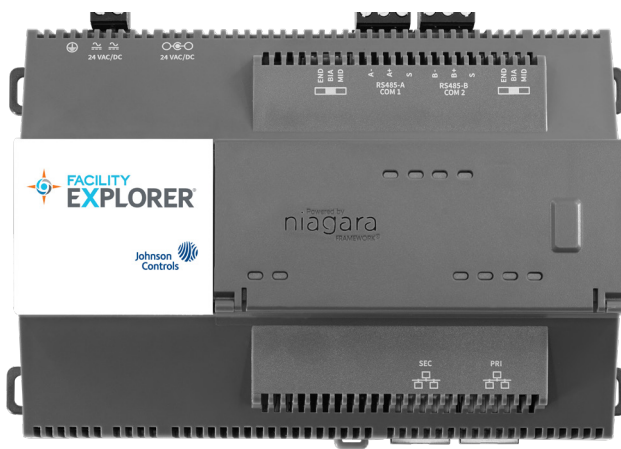
New Product Release

☑ Facility Explorer ABCS   ☑ Controls Product Sales

Advanced features for enhanced performance

Johnson Controls is pleased to announce the release of the new Facility Explorer FX90 Supervisory Controller. The FX90 provides integrated control supervision and network management services for local networks of equipment controllers. It features scheduling, alarming, historical data collection and management, 3D system graphics, and more. The FX90 Supervisory Controller also supports the exclusive FX Appliance productivity tools to streamline and automate workflows and save time and money from bid to operation.

The new FX90 Supervisory Controller, successor to the FX80, features a modernized hardware platform with advanced features for enhanced performance, further extending supervisory control capability and scalability for current and future needs of building systems.

Features and benefits

- **Faster Processor: Quad core 1.6 GHz iMX8M+CPU (formerly Single core 1 GHz TI AM3522)**

  Ensures faster boot up and station startup times, making on site commissioning more efficient. The user interface and graphics also provide a more responsive experience.

- **Increased memory and storage capacity:**
  - **2 GB RAM memory (formerly 1 GB)**
  - **8 GB onboard EMMC storage**
  - **8 GB uSD (formerly 4 GB uSD)**

    Increased memory capacity allows for quicker data access and more space for backups and point history. It provides room for future upgrades, reassuring customers of a long operational life once installed.

- **Supports the FX Appliance**

  The FX Appliance offers over 20 distinct productivity features built on top of the Niagara framework. It enables users to quickly build a system configuration database in minutes, with automatic tagging, auto–generated 3D graphics, and more, saving time and money from bid to operation.

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■ Ability to scale

The FX90 can scale from basic to complex applications with a single hardware platform using orderable device and point licensing. License upgrades can be purchased in the future as needs grow without needing to replace the controller.

■ **Same footprint, wiring connection locations and orientation as the FX80 and fully compatible with all existing expansion modules**

Enables a seamless drop-in replacement or upgrade, saving time and money.

■ Stock option

The FX-SC9BASE-0 is purchased separately, stocked, and field-commissioned and field-licensed.

Stock option

At this release, the FX90 Supervisory Controller is available exclusively as a stock option. The FX90 Supervisory Controller will be commissioned and licensed in the field. This allows you to choose when to commission and start the maintenance period.

Note: The FX90 Supervisory Controller requires FX software version 14.13.2 or higher.

A factory commissioned and licensed option will be available for the FX90 Supervisory Controller at a future release. A formal notification will be issued when this option is available.

FX90 licenses

For every FX90 Supervisory Controller you purchase, you will need a core device license and a software maintenance license. See Ordering information for the list of available FX90 Core and Maintenance Licenses.

■ A core device license (FX-SC9CL###-0): A core device license is required for each FX90. Core device licenses come in 5, 10, 25, 100, 200, and demo sizes. Only one core license can be applied to each FX90.

■ A software maintenance license (FX-SC9D###M#-0): The software maintenance must match the total number of device licenses (core and additional). Choose from 1, 3, or 5 years.

Note: The demo version does not require the software maintenance license. The demo license requires yearly renewal and expires on October 31st.

After the above requirements are met, additional licenses may be added to the FX90:

■ Additional device licenses (FX-SC8DL##-0): These licenses extend the total device license count of an FX80 or FX90. For example, if a total of 50 device licenses are required for an FX90, you would purchase the FX-SC8DL25-0 in addition to the core device license, FX-SC9CL025-0.

Note: To order additional device licenses, the same product code FX-SC8DL##-0 applies to the FX80 and FX90 Supervisory Controllers.

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FX80 discontinuation preannouncement

The FX90 Supervisory Controller serves as the successor to the FX80. The FX80 supervisory controller will continue to be available through mid-2025. A formal discontinuation notice with additional details will be issued at a future date.

The FX80 Supervisory Controller extends the base Niagara software, and therefore, the FX supervisory family software is bound by the Niagara maintenance policy. FX 14.15 software, based on Niagara 4.15, will be the last supported long-term release for the FX80. The FX 14.15 long-term release will be available in the future following the availability of the Niagara 4.15 release.

Ordering information

The following tables list the product ordering codes and descriptions for the FX90 Supervisory Controller, device and software maintenance licenses, and new replacement parts introduced in this release.

Contact your Johnson Controls Sales Representative for pricing questions. To place your order, contact Johnson Controls Customer Service:

Phone: 1-800-275-5676

Email: jciorder@jci.com

Fax: 1-800-356-1191.

Note: All software sales are final. Make sure to contact your channel account manager to answer any questions prior to your purchase.

Product code number	Description
FX90 Supervisory Controller	
FX-SC9BASE-0	FX90 Supervisory Controller (non-WiFi model) and micro-Secure Digital (SD) card, licensing required and purchased separately
FX90 Core Device Licenses	
FX-SC9CL005-0	FX90 Supervisory Controller core device license, 5 field devices or 250 points
FX-SC9CL010-0	FX90 Supervisory Controller core device license, 10 field devices or 500 points
FX-SC9CL025-0	FX90 Supervisory Controller core device license, 25 field devices or 1,250 points
FX-SC9CL100-0	FX90 Supervisory Controller core device license, 100 field devices or 5,000 points
FX-SC9CL200-0	FX90 Supervisory Controller core device license, 200 field devices or 10,000 points
FX-SC9CLDEMO-0 **Note:** Software Maintenance is not required for the FX-SC9CLDEMO-0. The existing annual support and renewal fee covers this.	FX90 Supervisory Controller demo license, 500 field devices. Enables all features needed to engineer and demonstrate FX Supervisory Controllers stations. Intended for installing contractors. Requires annual support fee. Expires yearly.

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Product code number	Description
FX80 or FX90 Additional Device Licenses	
FX-SC8DL10-0	License enabling an additional 10 field devices or 500 points for one FX80 or FX90.
FX-SC8DL25-0	License enabling an additional 25 field devices or 1,250 points for one FX80 or FX90.
FX-SC8DL50-0	License enabling an additional 50 field devices or 2,500 points for one FX80 or FX90.
FX90 Software Maintenance Licenses: 1 Year	
FX-SC9D005M1-0	Initial purchase 1-Year Software Maintenance for FX90 with 5–9 field devices
FX-SC9D010M1-0	Initial purchase 1-Year Software Maintenance for FX90 with 10–24 field devices
FX-SC9D025M1-0	Initial purchase 1-Year Software Maintenance for FX90 with 25–99 field devices
FX-SC9D100M1-0	Initial purchase 1-Year Software Maintenance for FX90 with 100–199 field devices
FX-SC9D200M1-0	Initial purchase 1-Year Software Maintenance for FX90 with 200 and up field devices
FX-SC9D005M1-6	Additional 1-Year Software Maintenance for FX90 with 5–9 field devices
FX-SC9D010M1-6	Additional 1-Year Software Maintenance for FX90 with 10–24 field devices
FX-SC9D025M1-6	Additional 1-Year Software Maintenance for FX90 with 25–99 field devices
FX-SC9D100M1-6	Additional 1-Year Software Maintenance for FX90 with 100–199 field devices
FX-SC9D200M1-6	Additional 1-Year Software Maintenance for FX90 with 200 and up field devices
FX90 Software Maintenance Licenses: 3 Year	
FX-SC9D005M3-0	Initial purchase or additional 3-Year Software Maintenance for FX90 with 5–9 field devices
FX-SC9D010M3-0	Initial purchase or additional 3-Year Software Maintenance for FX90 with 10–24 field devices
FX-SC9D025M3-0	Initial purchase or additional 3-Year Software Maintenance for FX90 with 25–99 field devices
FX-SC9D100M3-0	Initial purchase or additional 3-Year Software Maintenance for FX90 with 100–199 field devices
FX-SC9D200M3-0	Initial purchase or additional 3-Year Software Maintenance for FX90 with 200 and up field devices
FX90 Software Maintenance Licenses: 5 Year	
FX-SC9D005M5-0	Initial purchase or additional 5-Year Software Maintenance for FX90 with 5–9 field devices
FX-SC9D010M5-0	Initial purchase or additional 5-Year Software Maintenance for FX90 with 10–24 field devices
FX-SC9D025M5-0	Initial purchase or additional 5-Year Software Maintenance for FX90 with 25–99 field devices
FX-SC9D100M5-0	Initial purchase or additional 5-Year Software Maintenance for FX90 with 100–199 field devices
FX-SC9D200M5-0	Initial purchase or additional 5-Year Software Maintenance for FX90 with 200 and up field devices

Note: When a period of time occurs between when the software maintenance license expires and the renewal license begins, you will be required to pay for this lapsed period.

FX90 Replacement Parts	
FX-SC9BASE-700	Replacement FX90 Supervisory Controller (non-WiFi), no micro-SD card, no licenses
FX-SC9SD-700	Replacement micro-SD card for one FX90, no licenses

Note: Because the FX90 has two components that can potentially fail (hardware and microSD card), we require that you place a call with the Johnson Controls Technical Support Center (TSC) at 800-275-5676 or email PSOTechSupport@jci.com to determine if these components are field repairable or if one or both components need to be returned for replacement. When the TSC has qualified a need for replacement, contact Johnson Controls Customer Service at 800-275-5676 with your TSC Help Desk ticket number, Host ID, and serial number.

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Documentation

This table provides the list of new Facility Explorer documents for the offerings introduced in this letter.

Document title	Document number
FX90 Supervisory Controller Catalog Page	LIT-1901221
FX90 Supervisory Controller Product Bulletin	LIT-12014354
FX90 Supervisory Controller Installation Guide	LIT-12014353
FX90 Software Installation and Quick Start Technical Bulletin	LIT-12014395

Release schedule

- New FX90 Supervisory Controller Available to Order: March 1, 2024
- New FX90 Supervisory Controller Available to Ship: March 18, 2024
- FX90 Core and Software Maintenance Licenses Available to Order: March 1, 2024
- FX Software version 14.13.2 available in the FX Community on Solution Navigator: February 12, 2024
- Sales documentation on Knowledge Exchange: March 4, 2024
- Technical documentation on Knowledge Exchange: March 18, 2024

For further information, contact:

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