



/ **Automa s.r.l.** SUPER-FLASH

Super-Flash:

Reliability, compatibility, and simplicity—just a click away

Automa's mission is to develop reliable, easy-to-implement solutions for system integrators, providing them with practical and professional support. For over 37 years, **Automa** has been developing SCADA HMI products, such as SUPER-FLASH, the development system that makes it easy to create supervision applications capable of communicating effectively with the field and with the MES. For the simple and effective implementation of the horizontal and vertical interconnections required by Industry 4.0 and Transition 5.0.

Automa develops both software products and custom projects, and is able to support customers in the development of SCADA applications, custom modules, and highly configurable applications.

SUPER-FLASH is a development system for creating industrial supervision (SCADA) and human-machine interface (HMI) applications. Applications developed with SUPER-FLASH can range from simply monitoring the performance of a plant or machine to incorporating supervision and control functions, with the goal of "managing" the production process via a PC.

The following resources are available in the FreeDownload section for product evaluation:

- SUPER-FLASH Runtime, a free, full-featured version of the development system for creating applications
- "StartSF" e "Trend" demo applications

The "StartSF" and "Trend" demo applications are useful both for those who have never used SUPER-FLASH and want to understand its features, and for those who already use the product and want to check, by looking at the source code, how the various features have been implemented. You do not need to download the development system to view the demo applications.

THE ADVANTAGES OF SUPER-FLASH

Reliable: thanks to the WRunfile engine, SUPER-FLASH applications offer high reliability and operational continuity.

Compatible: SUPER-FLASH maintains compatibility over time; you can always update an application from an older version to a newer one without any issues.

Economical: thanks to the Runtime commercial model, you can download SUPER-FLASH for free directly from this website in the FreeDownload section.

Simple: SUPER-FLASH is easy to use, even for users with no knowledge of programming languages.

Flexible: SUPER-FLASH is versatile and suitable for creating applications for most industrial sectors as well as more specific fields, such as home automation, building automation, infrastructure, and services.

Powerful: thanks to MicroC, the ingenious C language compiler included with the controller, the already extensive capabilities of SUPER-FLASH are further expanded.

SUPER-FLASH's business proposal

Automa offers two complementary offers for its SCADA HMI package: RUNTIME and ROYALTY-FREE

	Development System License	License for the applications
SUPER-FLASH Runtime	at zero cost	on payment
SUPER-FLASH Royalty-Free	on payment	at zero cost

With SUPER-FLASH Runtime, the development system is completely free: you only purchase Runtime licenses, the cost of which depends on the size—that is, the maximum number of variables and alarms. You can download the product directly from this website on the FreeDownload page and start using it. A free Runtime license will allow you to run the application you have created for up to 15 minutes to verify its operation. After development, to install the application at the end customer's site, you will need to purchase a Runtime license in the form of a hardware or software key, sized (number of variables and alarms) according to your needs

The MicroC Runtime compiler is included in the package.

Runtime licenses are provided with a protection device of your choice from the following:

- Software Activation Code (SAC)
- USB dongle

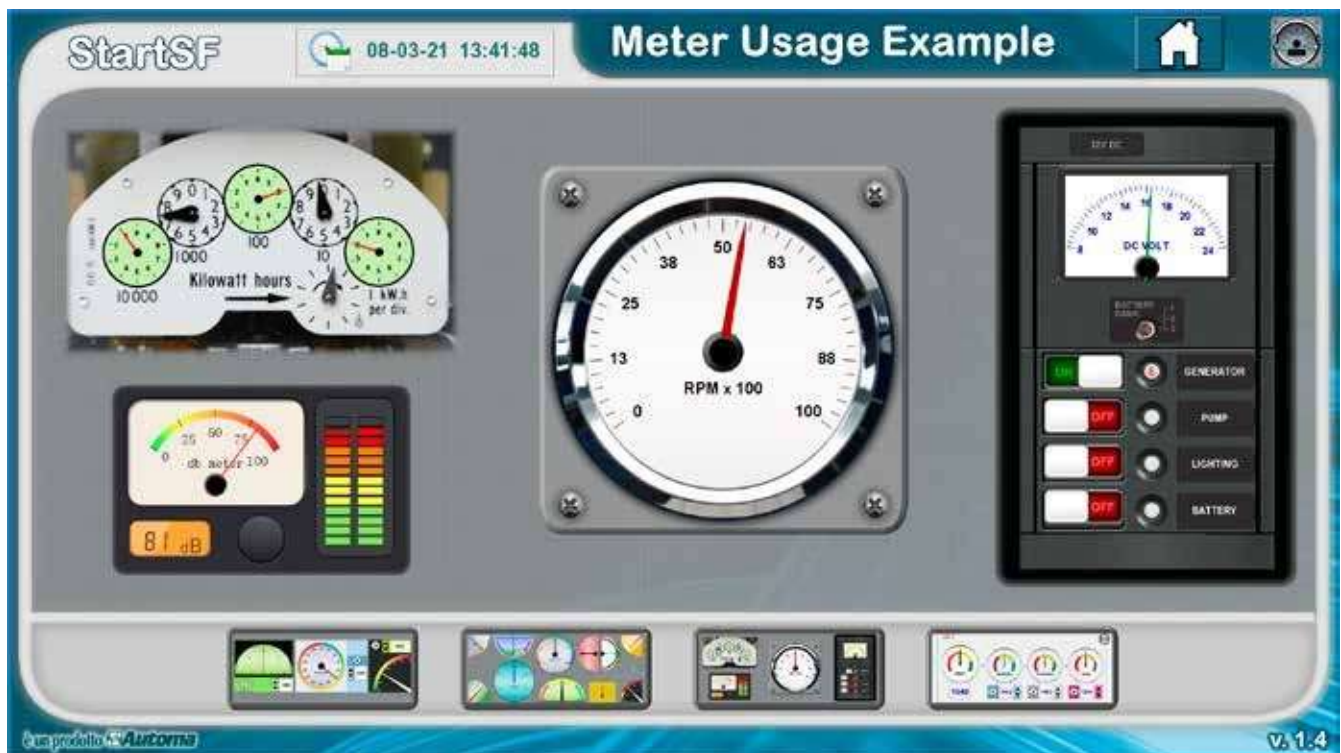
With SUPER-FLASH Royalty-Free, you are purchasing a development system, and there are no royalties on individual applications. This option involves the purchase of a true "capital asset." The investment must be spread across a certain number of applications. Those who choose the Royalty-Free option purchase a specific version of the development system. It is possible to subscribe to an annual update service that allows the customer to access new versions released by Automa. SUPER-FLASH Royalty-Free licenses also include MicroC, the C language compiler, which fully extends the capabilities of the Development System, and are priced differently depending on the size—that is, the maximum number of variables and alarms that can be managed.

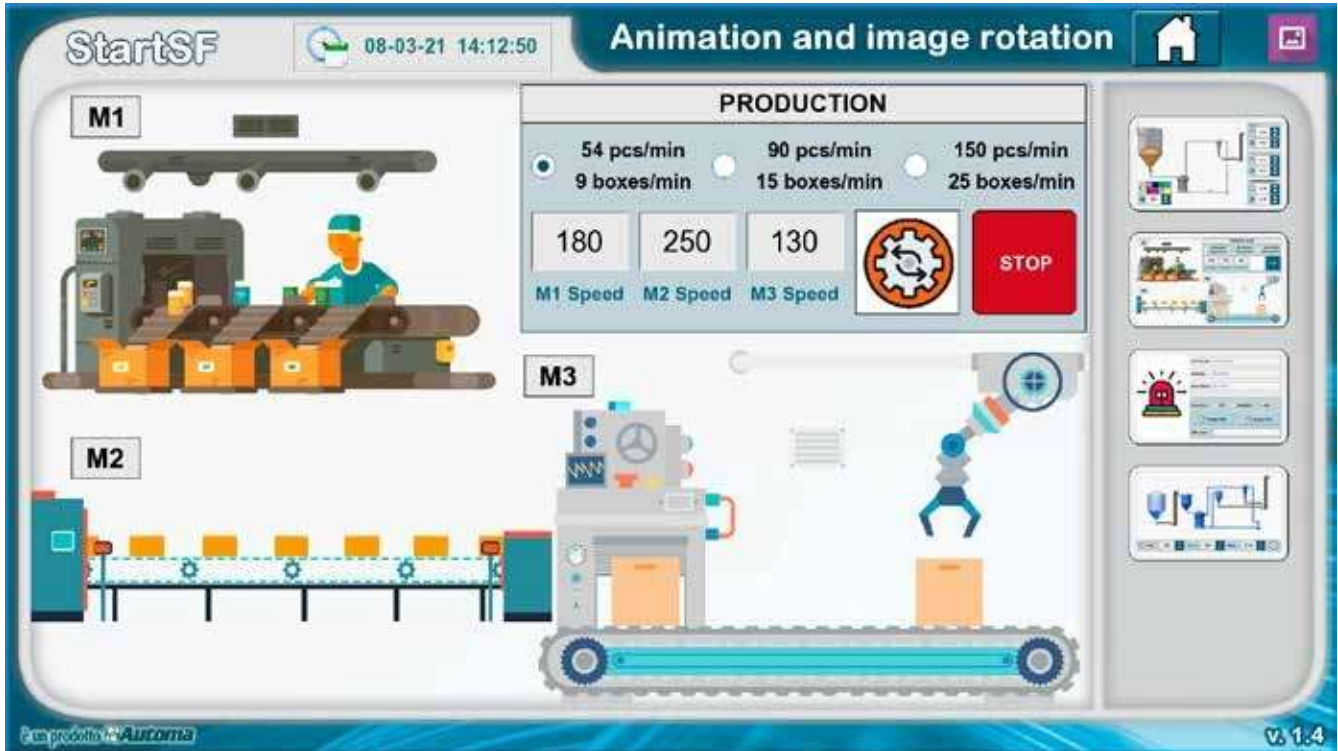
Licenses are provided with a USB protection device.

SUPER-FLASH 4.7 - TECHNICAL DATA SHEET

Description

SUPER-FLASH is a guided environment for developing human-machine interface (HMI) and supervision (SCADA) applications. It is equipped with a wide range of communication drivers, enabling communication with field devices (PLCs, controllers, CNCs, etc.); it also offers the ability to integrate your application into the company's information system, thanks to its ability to efficiently exchange information with databases, handling all aspects of communication: connection (with the SmartDB product), synchronization (with the Event Management module integrated into SUPER-FLASH), and data structuring to identify and make available the information needed by the customer (for example, with WAM, a web application for viewing historical and real-time alarms).





Features

1. **Reliable:** has always been based on a virtual engine with runtime controls and is not heavily dependent on the operating system
2. **Open:** can be easily integrated with both the field and company information systems
3. **Well-supported:** support and training provided directly by the development team; support for application development
4. **Capacity:** 30,000 Variables, 30,000 Allarms, 10,000 graphic pages, etc.
5. **Easy:** you can install apps with a simple “copy”.
6. **Compatible:** Projects can be imported from all previous versions, including DOS
7. **Compact:** a runtime engine that takes up only a few megabytes, with small-sized applications
8. **Complete:** manages alarms, trends, and recipes
9. **Economical:** Runtime licenses starting at €450.00
10. **Expandable:** MicroC opens up a whole new world of application possibilities for the product
11. **Multilingual:** the development system is available in Italian, English, and German, while the applications can be managed using 50 different dictionaries, with the ability to switch languages at runtime and Unicode support.
12. **Full of Drivers:** it comes with a wide variety of communication drivers

Minimum Requirements

1. Operating system: Windows XP Professional SP3 with Internet Explorer 7
2. Processor: Pentium 4 \ Athlon
3. System memory: 2 Gbyte
4. Required disk space: 100 Mbyte
5. Graphic resolution: 1.024X768 – 64k colori
6. Ports: USB
7. Other peripherals: CD-ROM

Product Contents

The included package, available on CD or for download from the Automa website, contains:

1. SUPER-FLASH 4.7 DEVELOPMENT SYSTEM in Italian, English and German
2. COMPILER: MicroC with the Micro 2.5 Technical Manual in Italian and the MicroC 1.6 Technical Manual in English
3. DEMO: demonstration applications
4. DOCUMENTATION: “Getting Started” and “Brochure” in Italian and English, “What’s New” and “Resolved Issues” in Italian, “Super-Flash Manuals – May 2004” in Italian, Super-Flash 3.2 Manuals in English
5. MicroC PROGRAMS AND DRIVERS: selected programs and communication drivers developed using the MicroC compiler.
6. LINK DRIVERS: collection of Link Drivers (DLL drivers) in the currently available Runtime version

For more commercial information about SUPER-FLASH and other **Automa products**, please request the price list at sales@automa.it