



Process Automation

Freelance distributed control system Version 2013 – What's new

More power, speed and functionality

After 18,000 installations spanning more than 100 countries, ABB continues to introduce innovations in its Freelance distributed control system (DCS). This year, ABB launches Freelance Version 2013 — this time with more power, speed and functionality than ever before.

Freelance is ABB's user-friendly, cost-effective and robust solution ideal for all process industries, with the following benefits:

- **Easy to use:** It is easy to install, learn, engineer, commission, back-up, maintain and expand.
- **Scalable:** Projects can start as small as 25 I/Os and grow to as large as 25,000 I/Os
- **Reliable:** It is a proven technology with high reliability and availability.
- **Value for your Money:** Investment goes a long way with its small footprint and ability to run on any PC that result in savings in installation, engineering and commissioning costs.

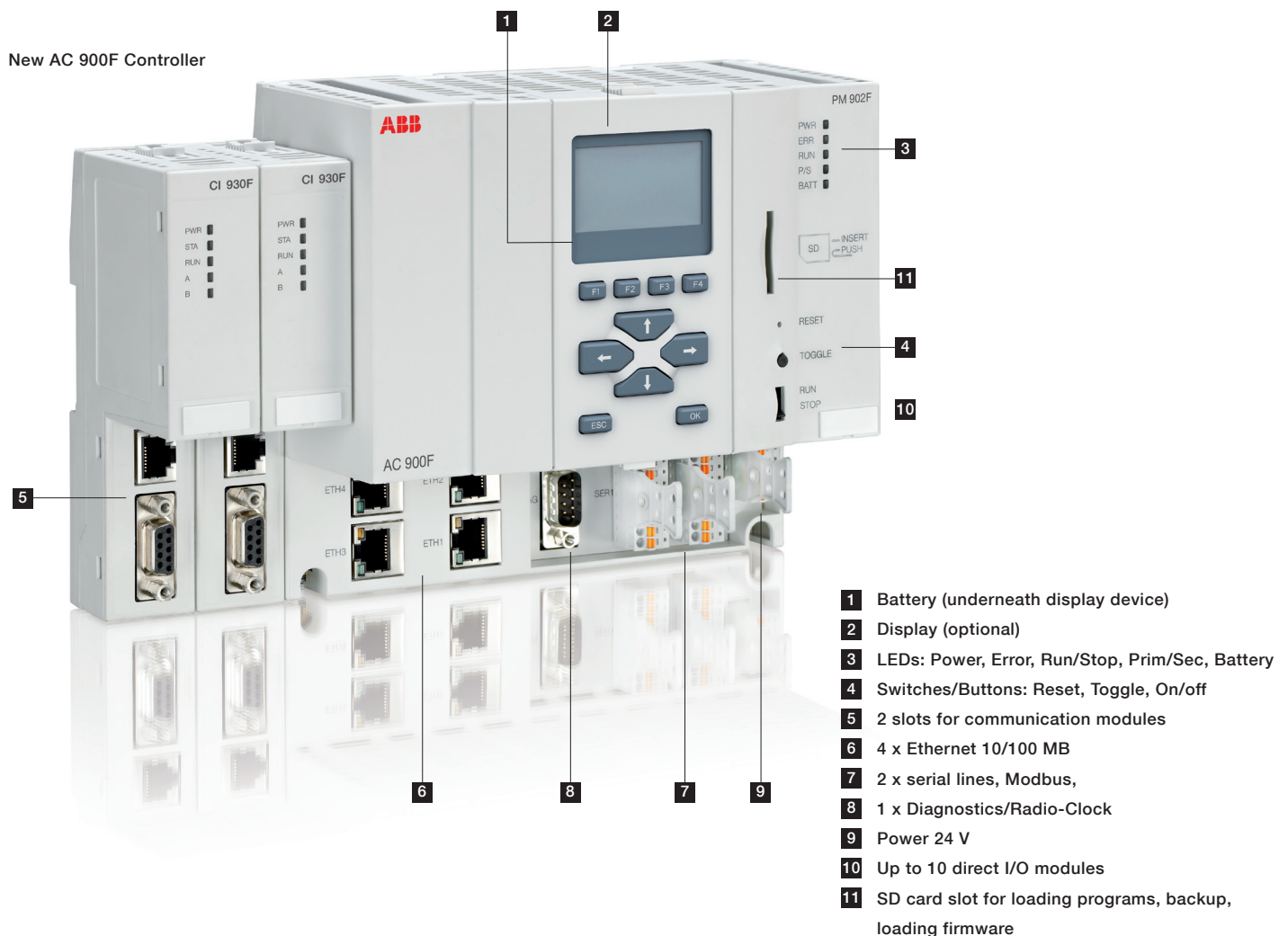
What's new?

AC 900F: At the core of the Freelance Version 2013

Following years of experience in automation and control products, ABB is proud to introduce its latest Freelance controller – the AC 900F. This controller truly extends the hardware portfolio of Freelance distributed control system.

Apart from its highly sophisticated automation functions, the AC 900F modular controller offers expanded flexibility via a pluggable SD card, more Ethernet ports, redundancy options for high availability and power for around 1,500 I/Os.

New AC 900F Controller



AC 900F Interfaces

- Four (4) built-in Ethernet ports supporting Modbus TCP/IP or 60870-5-104 transmission protocol
- Two (2) serial ports supporting Modbus RTU/ASCII or IEC 60870-5-101
- Pluggable Profibus master modules (up to two) providing integrated line redundancy
- Direct connection of I/O modules (up to 10), including modules with inputs and outputs to reduce footprint and costs.

A key feature of Freelance 2013 is the support of SD cards for AC 700F and AC 900F. Especially the new optional display for AC 900F allows to load applications or firmware into the controller without the need of a terminal program on a computer.

Engineering made easier

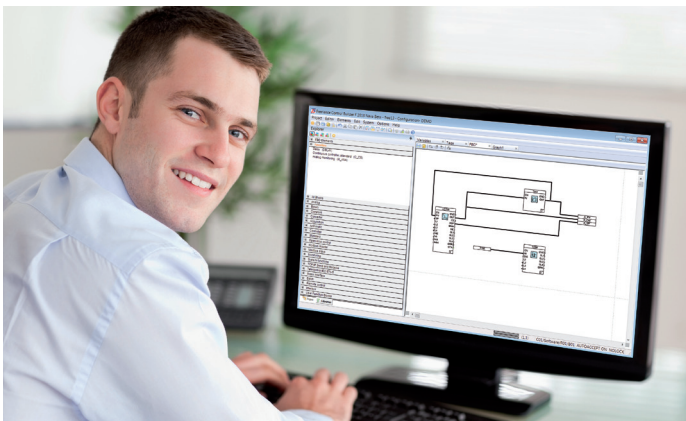
ABB introduces new technologies in the Freelance engineering tool to optimize workflow. Freelance leverages the familiar Microsoft® environment to allow easy navigation. For instance, different function block diagrams can be displayed and copied, and tag or variable list can be sorted and filtered similar to Excel spreadsheets. Both lists can be easily exported to or imported from a Microsoft® Excel® spreadsheet.

What's more, Freelance Version 2013 supports Freelance hardware dating back to as long as 20 years ago.

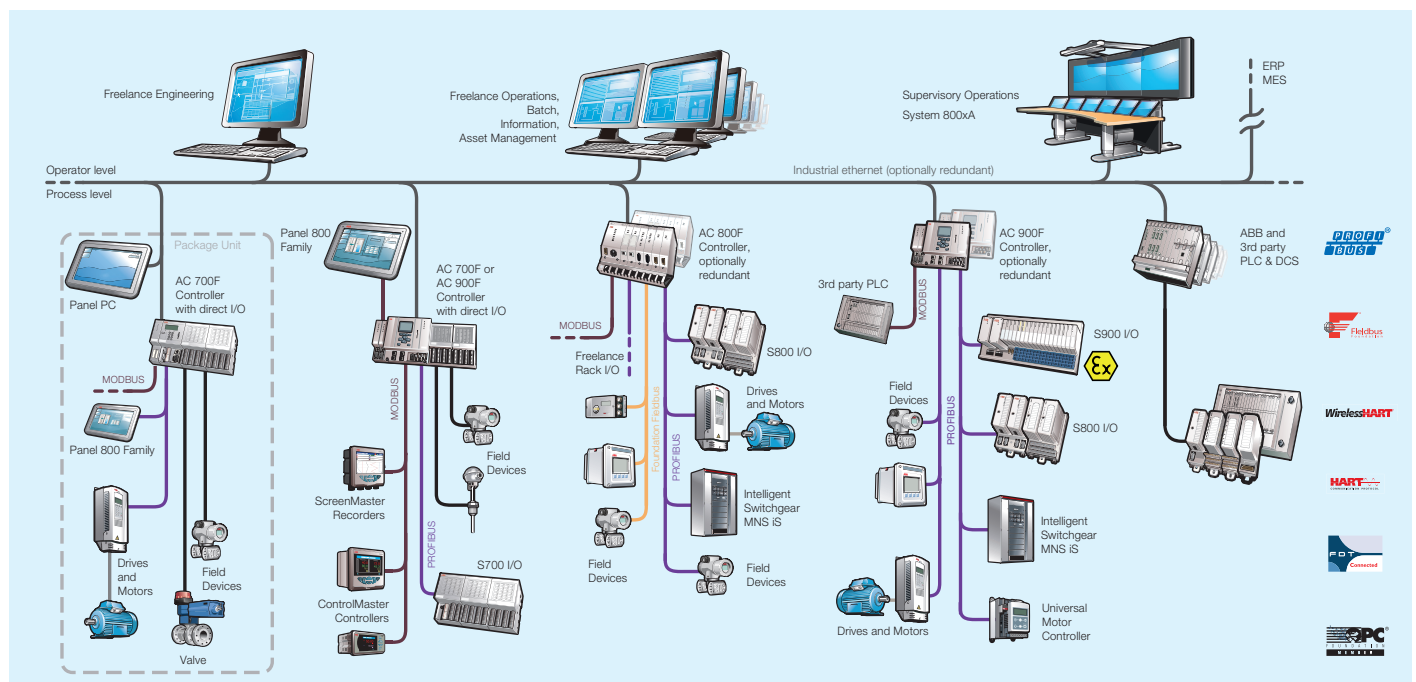
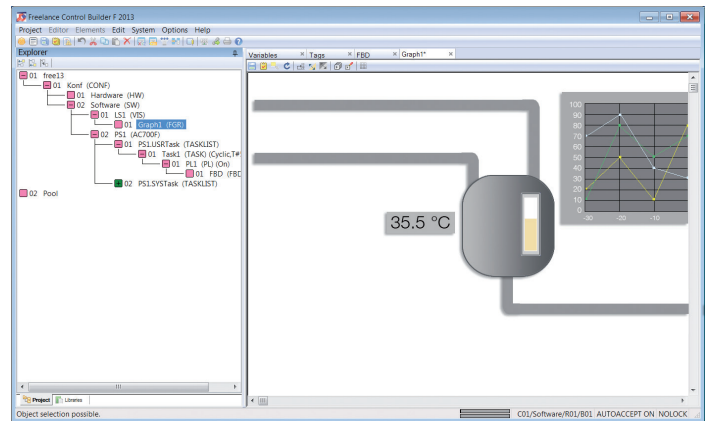
Benefits at a glance

- More power, by as much as 100%
- Compatible with previous versions of Freelance components
- Integrated Profibus line redundancy
- Enhanced engineering tool
- Modbus TCP and remote telecontrol protocol for ABB's AC 700F, AC 800F, and AC 900F controllers.

Function Block Diagram Editor with library in the left window



New engineering tool layout: project tree always visible



Freelance System Architecture

Contact us

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