Compact, Scalable and Reliable.

Freelance is ABB’s user-friendly, cost-effective and robust solution, ideal for all process industries. Below you will find what’s new in Freelance 2016.

**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, award-winning and patented technology providing high reliability and availability.

**Value for your Money:** the small footprint and ability to run on any PC results in savings in training, installation, engineering and commissioning.

**What's New?**

**New Naming of Freelance Components**
The new naming improves the consistency between the Freelance components and makes them more intuitive for new users. The below name changes are introduced with Freelance 2016:

<table>
<thead>
<tr>
<th>Name in Freelance 2013</th>
<th>Name in Freelance 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Builder F</td>
<td>Freelance Engineering</td>
</tr>
<tr>
<td>DigiVis</td>
<td>Freelance Operations</td>
</tr>
<tr>
<td>OPC-Server 800F Trace</td>
<td>OPC Server Trace</td>
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<td>Trend-Server</td>
<td>Freelance Trend Server</td>
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<td>Configure</td>
<td>Settings</td>
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<tr>
<td>DigiBrowse</td>
<td>Archive Browser</td>
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**Introducing AC 900F Lite**
There are now two versions of the AC 900F with the release of the new Lite version of the Processor Module PM 901F. This new controller can exist in the same project and on the same network as any other Freelance controller. The PM 901F is designed for small applications requiring more capability than the AC 700F. It includes the following features:

- Three (3) built-in Ethernet ports supporting system bus redundancy, Modbus TCP/IP or 60870-5-104 telecontrol protocol.
- Two (2) serial ports supporting Modbus RTU/ASCII or IEC 60870-5-101 telecontrol protocol
- Two slots for communication modules:
  - Profibus master modules providing integrated line redundancy
  - CAN bus modules for connection of Freelance Rack I/O
- CPU Redundancy with two (2) PM 901F modules.
- Maximum of 400 I/O per PM 901F.

**Introducing Freelance Operations Lite**
Freelance Operations Lite has all the features of a standard Freelance Operations, except that it is restricted to only five (5) free customized Graphic Displays. These stations are intended for smaller applications or for use as a local station. The standard and Lite versions of Freelance Operations can exist in the same project and on the same network.

**New CAN Bus Module**
To protect your investment, the AC 900F now allows connectivity to Freelance Rack I/Os based on CAN bus. This gives excellent support for plant upgrades.

**New S700 Profibus Slave Module**
A new S700 Profibus Slave Module, CI 741F, is now available. This module uses a standard unpowered Profibus plug to reduce cost and engineering effort. The module also provides 22 I/O channels (4 AI, 2 AO, 8 DI, 8 DO) onboard to help reduce both cost and footprint.
Increased Security
The new AC 900F controller comes with a feature of locking the controller via the display. When locked, dedicated engineering changes, downloads or firmware updates are disabled, while typical operator and OPC access is still possible. Additional improvements include:

- CPU Security with Webserver and Telnet disable options
- Run / Stop switch disable option
- SD card Monitoring

Control Network Redundancy
Freelance 2016 introduces the Control Network redundancy with separate network topology, for improved network availability. This can be achieved with the AC 900F (redundant or non-redundant) controllers and all Freelance PCs. Other Freelance controllers can exist in the same project but will not support the secondary network.

Additional New Features
- Improved Temperature Ranges for both AC 900F controllers:
  - Ranges for both AC 900F controllers: -20…70°C
- Improved Freelance Driver for Panel 800
- Support for virtualization using VMware ESXi server vSphere 5.5.0
- Improved Widescreen support
- New version of Freelance Formulation (v1.1) with Master Recipe Archiving support.

Ordering Information
Catalog: Freelance, New Projects - Active
2PAA102059

Freelance Wizard 9.14

Submit purchase orders to the Local Sales Unit: lsu.orderbox@us.abb.com

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