The best of both worlds: DCS and PLC

AC 700F Controller Starter Kit including visualization

Power and productivity
for a better world™

AC 700F – The best of both worlds, DCS and PLC

The AC 700F controller widens the scalability of the compact control system Freelance 800F for small process industry applications. In the past, these applications were typically built using PLCs. With AC 700F, ABB offers an alternative with a wide range of advantages while being price competitive. When PLCs are used in the process industries, application engineers often have to deal with various tools and programs from different providers. This implies a lot of disadvantages with respect to seamless configuration procedures, reliable visualization and operation, and uncertainty about long term availability of individual tools.

AC 700F with Freelance 800F offers process PLC size and function with many of the features of a larger control system such as:

- Easy and efficient configuration of process control and visualization – using only one tool
- Well-tested and ready-made function block library allowing for reduced testing and engineering efforts
- Automatic generation of the graphical system display for hardware diagnostics
- Operator station software including a lot of pre-configured displays, which are automatically available. Examples are: Alarm line, message list, faceplates, group display, logs and trends, sequential function chart displays, etc.

The new AC 700F controller can be used in a large variety of applications:

Process Oriented Package Units

"Package unit" stands for a pre-assembled turn-key solution or machine, such as a boiler, centrifuge, heat exchanger, pump systems, reactors, industrial water treatment units and many more. The package units typically come in a housing or skid-mounted and can be installed rapidly on-site and with minimum effort. The spectrum of solutions is rather unlimited. When implemented with AC 700F, communication with the entire process control system is simply achieved by plugging in the Ethernet cable.

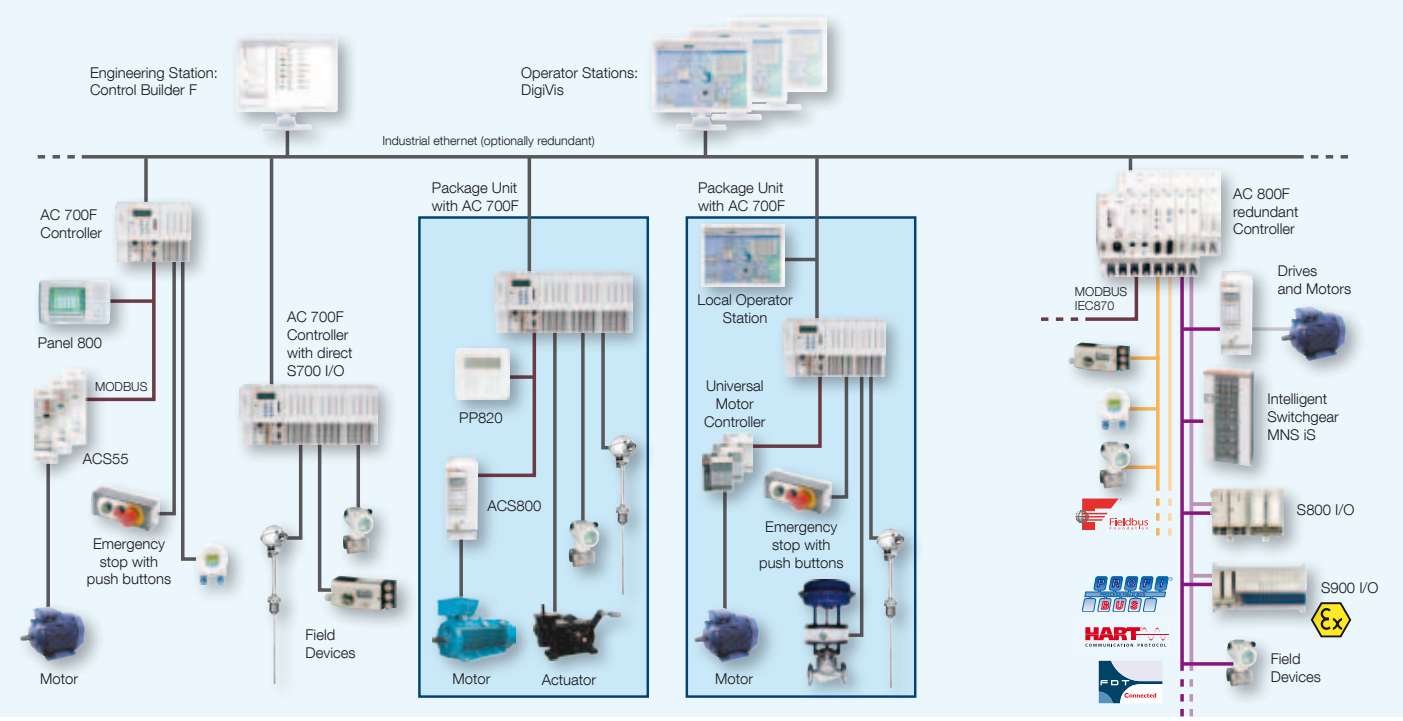
Small Applications

Consider very restricted control tasks with a low number of I/O signals, only some measured values and a small number of actuators, or just a simple operator panel and push buttons for operations, or lab systems. Even these small applications benefit a lot from the comfort of the compact control system:

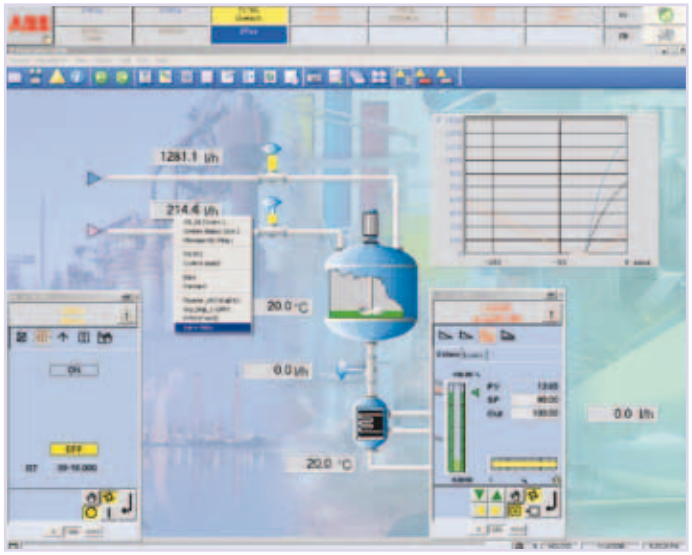
Distributed, intelligent I/O

In the second type of application the advantages of Ethernet can be leveraged. If a plant is widely distributed, AC 700F can be used as intelligent Ethernet I/O with the advantage of local control in the field. This type of I/O could be linked to other global AC 700F or AC 800F controllers. Accessing process values residing in one controller from another controller or operator station is as easy as setting a check mark.

System Structure with application examples



Order now to get an easy start with the AC 700F Starter Kit



The DigiVis Operator Interface

AC 700F Controller with direct S700 I/O

The offering includes:

- One AC 700F controller with two S700 local I/O modules (AX 722F, DC 732F) including power supply
- Engineering tool Control Builder F
- Operator Interface DigiVis
- Getting Started Manual
- DVD with Quickstart Tutorial and entire user documentation
- Software license for production environment
- 12 month option for free upgrade to next software versions
- Freelance 800F product catalogs on CD

The offering described above will be available at a very attractive price and is valid for a limited time. Feel free to contact your local sales representative for a detailed quotation.

The Controller AC 700F

The AC 700F in the starter kit consists of a CPU module and two S700 direct I/O modules. The AX 722F I/O combines input and output channels in one module with 16 channels. The DC 732F offers 32 channels. 16 channels are digital inputs, the remaining 16 channels can be configured as input or output.

The AC 700F can easily be enhanced with additional I/O modules – up to eight per CPU. For larger projects, or when enhancing the project later on, it is also possible to add additional controllers – either AC 700F or AC 800F.

Engineering tool Control Builder F

Freelance 800F allows you to enjoy consistent configuration, commissioning and diagnosis – from graphics to the field device – using just one engineering tool.

Operator Interface DigiVis

The operator interface is directly incorporated into the engineering, making configuration particularly straightforward. DigiVis provides graphic displays, faceplates, trend displays including historian, an automatically generated system display for hardware diagnosis, alarm pages, sequence control displays, shift logs, event logs and data archiving, etc.

Order Now!

The AC 700F Starter Kit helps you to get an easy start with the Freelance 800F control system. So do not hesitate and place your order today.

For more information please contact your local sales representative.

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