

AC 800M controller

A Programmable Automation Controller, designed to achieve high availability for control applications in the process industry

The rich function block library includes several types of control loops, including advanced control and auto-tune capabilities as well as integration for ABB drives and motors. The controller communication by means of Ethernet includes on board RNRP redundancy along with a broad set of communication modules to connect to third-party devices. A superior redundancy concept allows for fast switch-over times and topologically separated CPU-modules. Several CPU modules are available, varying in terms of processing power, memory size and redundancy support. Priority controlled, time-based tasks allow the highest stability in even complex control tasks.

Supporting standard IEC 61131-3 programming languages, Compact Control Builder is the tool for engineering the control code and the hardware layout of AC 800M. It creates logic, sequential and analog control-intensive automation solutions for all existing controllers in the automation system to be handled in one database. The flash memory card allows loading applications without the need to utilize the engineering tool to support OEM and remote solutions.

The AC 800M for Compact Control Builder is a family of PACs built as rail-mounted modules, consisting of CPUs, communication modules, power supply modules and various accessories. There are 7 CPUs to choose from, ranging from medium processor power and low cost to high processor power and support for full redundancy.