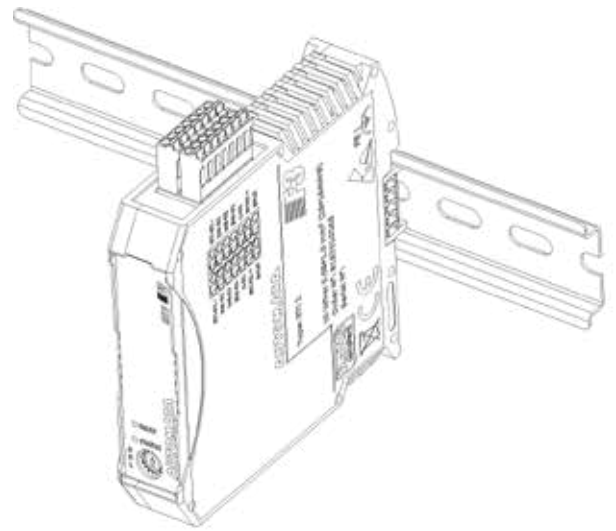


CANNON

AUTOMATA



F6

Programmable Automation Controller

□ F6 offer a variety of communication opportunities-from the field level over the workshop and factory network up to the internet.



- PC based Control & Visualization
- ARM-CPU
- Local & Remote IOs
- IEC-61131

F6 is a Programmable Automation Controller (PAC). It combines the features and capabilities of a PC based control system with that of a typical PLC and motion control.

„High Performance – Low Power – Low Cost“ are the maxim of the F36 device family with ARM CPU.

The low power consumption of the CPU enables operation with passive cooling at extrem compact dimensions and low system cost.

The integrated IO bus allows the local or remote connection of F3 IO modules.

Each Module can be combined individually or multiples for any configuration need.

The high integration allows the remote and the expanability of modules blocks, whether locally at the control unit, through the local bus or as a distributed I/O station.

The F6 base unit is programmed with CoDeSys in IEC-61131, as operating system Windows® CE is used.

Other operating systems are available on demand.



□ The F6 local IO bus allows an easy and flexible expansion with IOs. This means modularity at compact dimensions and low system cost.



Technical Information		F6 - Programmable Automation Controller
CPU		ARM processor: Texas Instruments AM3356-Sitara ARM Cortex - A8 Microprocessor
Memory		512 Mbytes DDR3 SDRAM
Ports	Serial	1 x RS232/RS422/RS485 (configuration over DIP switch) and 1XRS485 only COM Port
	USB	1 x USB host port
	Ethernet	2x10/100 Ethernet Ports
	Kbd/Mouse	over USB
	Video	LCD pin header for debug purposes only
Mass storage	CF	512 MB NAND Flash memory
Local and remote IOs		Digital: 16DI/16DO 0.5A, 4DI/4DO 2A, Analog: 2AO, 2AI, 2Pt100/3TC, max. 15 local IO modules
Dimension	H x D x W	99 mm x 114,5 mm x 22,5 mm
Power supply		24VDC
Cooling		passive
Enclosure		plastic
Mounting		DIN rail
Operation temperature		0°C ÷ +55°C
Protection class		IP20
Operation systems		Windows® CE, Windows® Embedded, Linux (others on demand)
Software		CoDeSys IEC-61131 and CoDeSys Target-Visualization (others on demand)
Certifications		CE

PRODUCTS

Technological components for industrial automation.

- ✓ PAC - PROGRAMMABLE AUTOMATION CONTROLLER
- ✓ I/O MODULES
- ✓ AUTOMATION SOFTWARE
- ✓ FIELDBUS & INDUSTRIAL ETHERNET
- ✓ HMI - HUMAN MACHINE INTERFACE
- ✓ DRIVES

APPLICATIONS

Hardware and software solutions for specific user applications.

- ✓ REMOTE MONITORING & ASSISTANCE
- ✓ ENVIRONMENTAL MONITORING
- ✓ PREVENTIVE MAINTENANCE
- ✓ MACHINE CONTROL & PRODUCTION
- ✓ MOTION & ROBOTICS
- ✓ ENERGY EFFICIENCY

ENGINEERING

Services for engineering projects.

35 years of experience in the automotive, energy, oil & gas and water treatment sectors enable Cannon Automata to present itself as complete and perfect partner for the development of industrial engineering and process projects. Systems are characterized by their high performance, thanks to an approach that is fully oriented to achieve tailored solutions to specific needs.

For the best results in terms of quality and customer satisfaction, Cannon-Automata follows an operative scheme that is widely experienced and successful, from the study to the implementation, and with a constant technical support.

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