specialPAC

ASCON TECNOLOGIC   sP4

specialPAC

The tailor-made future

specialPAC _sP4/sP8

specialPAC is a programmable controller that makes your machines become more efficient and modern, with extremely low costs, by adding logic and typical PLC sequences to the accurate control.
Starting from a standard platform, the hardware is customized to obtain the perfect solution for your machine.
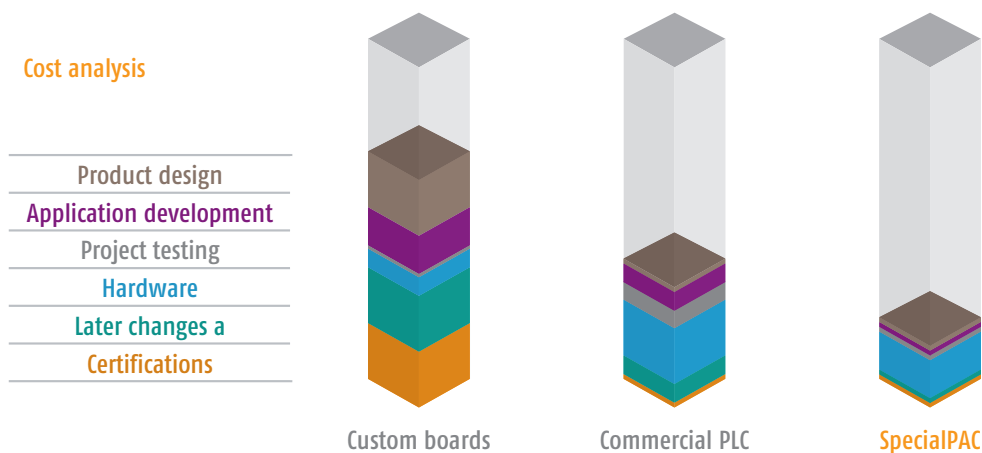
specialPAC has a wide choice of hardware combinations, from which you can choose the one that best suits your needs The programming software offers maximum flexibility, in order to manage the functional variants of your product independently or with our help.

Features:
- platform coming from many years of experience in control systems;
- IEC 61131 standard programming environment;
- large number of function block libraries and ready-to-use templates;
- certified platform (CE, UL, cUL).

specialPAC suits your needs
Like a custom board, but a PLC with industrial standards and quality, at lower cost.

Cost analysis

Product design
Application development
Project testing
Hardware
Later changes a
Certifications

Custom boards   Commercial PLC   SpecialPAC

In a short time, a PLC tailored to your needs.
Our Product Managers and Field Application Engineers are qualified and experienced counterparts to support you from the specification phase to the functional testing of your machine.

The **ASCON TECNOLOGIC** proposal for you

- we listen to your needs and implement them in project specifications;
- we develop a first hardware prototype;
- we create your application with standard languages;
- we complete the system with a functional and efficient operator interface;
- your solution is finally tested, together with you;
- the source code remain at your disposal, as well as our technical support for any improvements or modifications.

Give your machine a unique identity with specialPAC, the control system based on industrial electronics with certified high quality standards and produced especially for you.

Contact us to build your programmable controller together.

The custom programmable controller

reliable operative system

ready to use function blocks

certified platfom

IEC 61131 programming language

customizable hardware

	sP4	sP8
PROCESSOR	ARM Cortex H7 32bit, 386MHz	
MEMORY	2MB flash, 1MB RAM, 3KB battery backup memory	
PROGRAMMING	Standard language IEC61131-3 (Function block diagram, Ladder diagram, Struttured Text, Instruction List, Sequential Function Chart)	
COMMUNICATION PORTS	1 serial port RS485, 1 Ethernet port 10/100, 1 porta USB	
PROTOCOLS	Modbus RTU (m/s), Modbus TCP	
ANALOG INPUTS	Up to 4 analogue channels	Up to 8 analogue channels
	Selectable between Thermocouples, PT100, PT1000, NTC, PTC, Strain Gauge, Voltage (0/1...5V, 0/2...10V), Current (0/4...20mA)	
	Resolution 16 bit	
	Accuracy 0.5%	
DIGITAL INPUTS	Up to 8 digital channels 24Vdc	Up to 16 digital channels 24Vdc
	Sink type IEC61131-2 type 3	
	Protection: reverse polarity e overvoltage	
	Up to 2 digital counter channels	Up to 4 digital counter channels
	max 5KHz, sink type IEC61131-2 type 3	
ANALOG OUTPUTS	Up to 4 analogue channels	
	Voltage (0/1...5V, 0/2...10V 0...10V), Current (0/4...20mA)	
DIGITAL OUTPUTS	Up to 8 digital channels	Up to 16 digital channels
	Low side, 24Vdc 0.2A	
RELAY OUTPUTS	Up to 5 relays	Up to 10 relays
	Selectable between 2A relays, SSR, SSR drive 12V (n.2 6A relays)	

ASCON TECNOLOGIC

EVERYTHING UNDER CONTROL