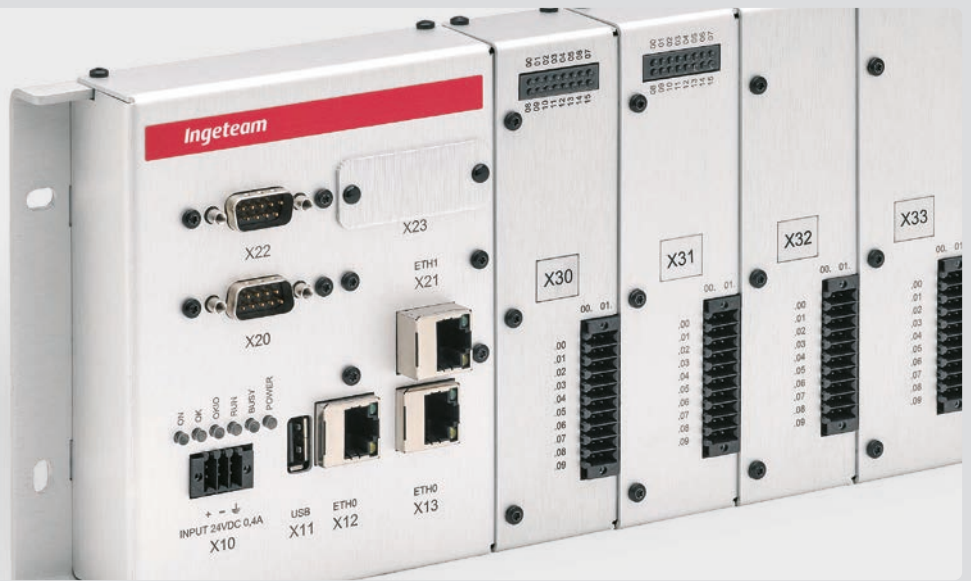
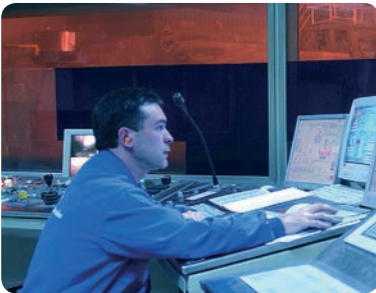


INGESYS

IC2

Programmable Automation Controller



INGESYS™ IC2 is a control system designed to meet the automation demands present in different sectors such as energy, industry, railways, etc.

Its compact internal structure together with a wide range of digital and analog input/output modules make it possible to offer a technical solution suited to each application at an optimum cost.

Compact control solution

It has two possible architectures depending on the application: a compact architecture designed for controlling applications with a low number of inputs and outputs, and limited space, and a distributed architecture with I/Os distributed via standard field buses.

It includes a wide variety of standard communication interfaces used in the industrial sector (RS232, RS485, Ethernet, CAN, Profinet, etc.) as well as protocols (MODBUS RTU, MODBUS TCP, ETHERNET IP, PROFINET I/O, CANOPEN, etc.), which permit their integration into the communications networks most commonly used on the market.

It also offers the possibility of working as an RTU in distributed applications offering the most extensive protocols in this applications field.

It provides the user with programming tools which are compatible with the IEC61131-3 standard as well as the option to program in C/C++ and Matlab®/Simulink®. A comprehensive functions library (mathematical, regulation, data filing, communications, etc.) helps the user develop the application.

The integration of a web server allows the user to diagnose and monitor the system easily and flexibly to suit their needs.

Benefits

- ✓ Compact, robust design
- ✓ Custom-made solution with optimum costs

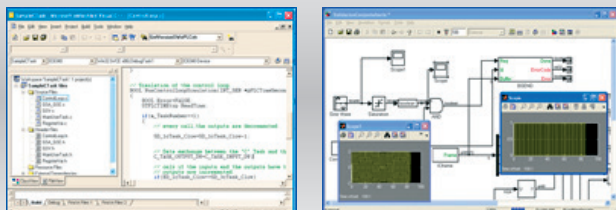
www.ingeteam.com
ingesys.info@ingeteam.com

Ingeteam

	Power Source
Main Power Supply*	24Vdc (+25% / -30%) Class S1 (EN 50155:2007) 110Vdc (+25% / -30%) Class S1 (EN 50155:2007)
Maximum Consumption	24V @ 300mA / 110V @ 80mA
Dissipated Power	8W (max.)
	Processor Module
Processor	32bit, 400MHz
Memory	Program: 1Mb, Data: 1Mb, Non-volatile data: 62Kb, Register: 32Mb expandable to 8Gb
Programming	IEC61131-3, specific functions communication and regulation library
Monitoring and Maintenance	Built-in web server USB port for loading/unloading firmware, application, data log, etc.
LAN Interfaces	2 x 10/100Base TX RJ45 Ethernet ports with internal switch + 1 x 10/100Base TX RJ45 Ethernet port* Protocols: Modbus TCP/IP, Ethernet/IP, PROFINET
Field bus interfaces	Up to 4 ports that can be selected per CPU: CANOPEN(Master/Slave), Profibus DP Slave, RS232/RS485
	Input/Output Modules**
Digital inputs	16 x DI (24Vdc @ 3mA)
Digital Outputs	16 x DO (HSD 24Vdc @ 500mA)
Relay Outputs	3 outputs (150V @ 5A)
Mixed Digital I/Os	8 x DI (24Vdc @ 5mA) + 8 x DO (HSD 24Vdc @ 500mA) 12 x DI (24Vdc @ 5mA) + 4 x DO (HSD 24Vdc @ 500mA) 4 x DI (24Vdc @ 5mA) + 12 x DO (HSD 24Vdc @ 500mA)
Analog Inputs	8 x AI ($\pm 10V$ or $\pm 20mA$) 8 x AI (PT100, NTC or Termopar) 8 x AI (fast synchronous) up to 100Ks/s, for ($\pm 10V$ or $\pm 20mA$) or IEPE accelerometers
Analog Outputs	4 x AO ($\pm 10V$ or $\pm 20mA$)
Temperature Inputs	PT100 (2-cables), PT100 (3-cables) ,NTC, TC
Motor Control	4 x DI (24Vdc @ 5mA) + 1 Encoder Input + 1 PWM Output (5A) H bridge topology
	Standards
Immunity and Emission	EN 50121-3-2:2007
Temperature Range	EN 50155:2007 [Class TX (-40°C at +70°C)]
Vibrations	EN 50155:2007 [Body Mounted, Class B] / IEC 61373:2007
Fire protection	EN 45545-2
	Mechanical Features
Assembly	Panel
Material	Aluminium
Dimensions (H x W x D)	(149mm to 524mm)** x 135mm x 34.6mm

* Optional ** A combination of up to 10 modules *** Depending on the number of I/O modules selected, each with a width of 37.5 mm.

Programming tools



HMI web

