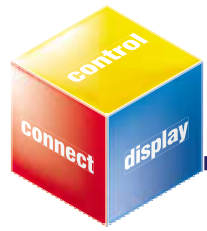


*i*³ Controller

IMO





i³

the ultimate integrated control solution



IMO, a leader in factory automation, presents *i³* a totally new concept in control!

i³ provides the user with high performance Operation Interface, fast and effective Control Engine and open Bus communications in one box!

i³ has a unique case design that can be either panel or DIN rail mounted giving the user ultimate flexibility in positioning of the controller.

i³ features a LED backlit LCD display with graphics and text capabilities, with an IP65 (NEMA4), programmable keypad providing the operator with control input.

i³ comes with a mix of both digital and analogue I/O, including T/C and PT100 inputs making it ideal for process control applications.

i³ interfaces directly to IMO Smart I/O expanding capabilities and providing greater flexibility in system design.

i³ features two, multi-function serial communications ports that can be used for programming, expansion I/O and modem connection making the *i³* the most flexible controller in it's class.

i³ has an array of in-built advanced controls such as PID, PWM, MODEM, Alarm, Ethernet and Recipe functions and supported by FREE Software and the unique IMO 3 year warrantee.

- 128 x 64 LCD display
- Addressable function keys
- Dual Communications ports
- Up to 24 digital inputs (direct)
- Up to 4 analogue inputs (direct)
- Up to 16 digital outputs (direct)
- Up to 2 analogue outputs (direct)
- High speed counter
- Timers
- Stepper control (PWM)
- MicroSD® memory
- Built-in Modem
- Ethernet
- Expansion I/O
- PID Control
- Alarm function
- Real time clock



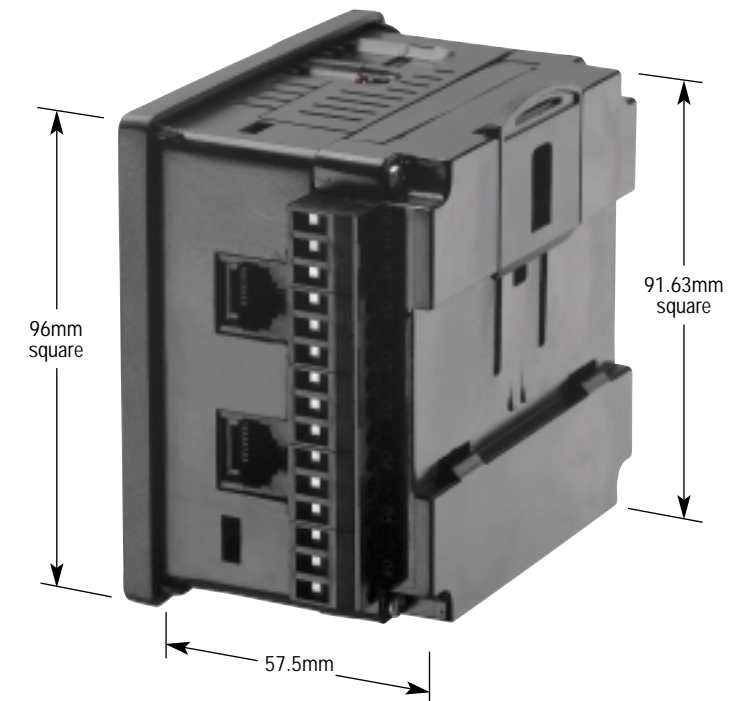
general specification

Operating Voltage	9Vdc to 30Vdc		
Display	STN LCD, 128x64, LED Backlit		
Inputs	Digital	12 Vdc	<3V logic 0 >9V logic 1
		24Vdc:	<5V logic 0 >17V logic 1
	Analogue	10 bit, 0-10V, 0-20mA, 4-20mA ± 2LSB 14 bit, 0-10V, 0-20mA, 4-20mA, PT100, TC ± 2LSB	
Outputs	Transistor	0.5A / channel Short Circuit protected	
	Relay	Max. 5A (resistive) 230Vac, 12/24Vdc N/O	
	Analogue	12 bit – (4096) ± 0.1% linearity error	
Communication	Port 1:	RS232 / RS485	
	Port 2:	RS232 / RS485 / RS422	
Operating Temperature	0 to 60 °C		
Storage Temperature	-10 to 70 °C		
Panel Size	96 x 96 x 60mm (DIN96)		
Cut out	92 x 92mm		
Panel Rating	IP65/NEMA 4X		



DIN rail or panel mountable

actual size



1 display 2 control 3 communicate

i3 features and accessories



	i3A12X/10A01-S00	i3A12X/10D03-SCH	i3A12X/10B04-SCH	i3A12X/20B05-S0H	i3A12X/13C14-S0H
miniCAN		●	●		
Dual Serial Ports	●	●	●	●	●
12 Digital Inputs	●	●	●		●
24 Digital Inputs				●	
6 Relay Outputs (5A)	●	●			
12 DC Outputs (0.5A)			●		●
16 DC Outputs (0.5A)				●	
4 Analogue Inputs		●			
1 Analogue Input	●				
2 Analogue / TC / PT100 Inputs					●
2 Analogue Inputs			●	●	
2 Analogue Outputs					●
High Speed Counter (10 kHz)	●	●	●	●	●
PWM Output (10 kHz)			●	●	●
Real Time Clock	●	●	●	●	●
I/O Expansion	Serial	Serial / miniCAN	Serial / miniCAN	Serial	Serial

Ethernet	i3A12X/10A01-S00E	i3A12X/10D03-SCHE	i3A12X/10B04-SCHE	i3A12X/20B05-S0HE	i3A12X/13C14-S0HE
GSM Modem	i3A12X/10A01-S00M	i3A12X/10D03-SCHM	i3A12X/10B04-SCHM	i3A12X/20B05-S0HM	i3A12X/13C14-S0HM
MicroSD® Memory Card	i3A12X/10A01-S00F	i3A12X/10D03-SCHF	i3A12X/10B04-SCHF	i3A12X/20B05-S0HF	i3A12X/13C14-S0HF

Software	i3 Configurator
Programming Cable	i3PC45
MicroSD® 256MB	i3-MSD/256



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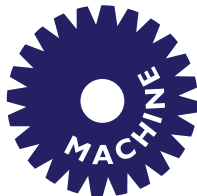
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Cam Switches
Din Terminals
Drives
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Isolators & Switch Fuses
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Motor Control Gear
Panel Meters
Relays
Signal Conditioning
Sockets
Timers
Transformers &
Power Supplies



Drives
Intelligent Terminals/HMI
Limit Switches
Photoelectric Switches
PLCs
Proximity Switches
Temperature Controls



Data Acquisition & Control
Drives
Intelligent Terminals/HMI
Limit Switches
Photoelectric Switches
Proximity Switches
PLCs
Signal Conditioning
Temperature Controls



Lightguards
Safety Limit Switches
Safety Relays

All IMO products are tried, tested and approved
to relevant international quality standards



Jaguar VXM 0.37-500KW
Jaguar VXSM 0.37-7.5KW
Jaguar CUB 0.37-4KW



Audible devices
Chip-on-Board
Device programmers
LEDs & 7 seg. displays
PCB Terminal blocks
Relays - automotive
Relays - power
Relays - signal
Switches

