



iCube: All-in-One Control Solution

Intelligence raised by the power of three!



MODBUS

FREE
Configuration
Software

Features

- Programmable function keys
- 2 communication ports RS232/RS485
- Embedded Ethernet with Webserver (i3C only)
- GSM modem for SMS/Data or Ethernet (options)
- Micro SD up to 2GB (option)
- Digital and analog I/O (up to 42 points)
- Expansion I/O (options)
- 4 high-speed counters (10KHz Max)
- PID control (up to 32 loops)
- Alarm / Recipe / Animation / Bitmaps
- Floating Point Math
- Real Time Clock
- 20+ Protocols (Modbus, AB DF1, Mitsubishi, GE Fanuc, etc.)
- 256KB RAM (Ladder), 1MB Graphical
- IP65 (NEMA4) CE, cUL, UL, Class 1 Div 2 (A & B versions)
- Free configuration software
- Input power: 10-30 VDC supply
- Class 1, Div 2

The Power of i3:

- 3 screen options
- 3 built-in I/O options
- 3 communication options
- 3 solutions in one (HMI, PLC and open bus connectivity)
- 3-year warranty

Advantages of an Integrated Solution

The iCube has capitalized on the progress made in microprocessor technology by condensing traditional control components into a single, compact unit - reducing manufacturing costs, overall power consumption of control solutions and application development time. Allows standardization to a single controller fitting most applications and greater flexibility for future development.

The i3 controller offers the benefit of a full PLC - all the timers, math and complex functions as most standard PLC's - combined with PID, temperature and process control, on-board I/O, and expandability. The color HMI is a fantastic interface offering 1,040 custom screens supporting a variety of bit maps, and animation. i3 controllers also have expandable options: Ethernet and GSM/GPRS modem communications, optional built-in web server for the color touch screen controllers. Free configuration manager included - straight-forward programming software used for programming logic and screens.

Model No.	Screen	Keys	MicroSD Card	Solid State Digital Outputs	Relay Outputs	Digital Inputs	Analog Inputs	Universal Analog Inputs	Analog Outputs
<i>i3 - "A" Version - Monochrome Graphical Screen and Keys - W/ MicroSD function (96.0W x 96.0H x 75.5D mm)</i>									
i3A12X/10A01-SOOF	2.25" Monotone 128x64	20	Y		6	12	1		
i3A12X/20B05-SOHF	2.25" Monotone 128x64	20	Y	16		24	2		
i3A12X/13C14-SOHF	2.25" Monotone 128x64	20	Y	12		12		2	2
<i>i3 - "B" Version - Monochrome Graphical Touchscreen - W/ MicroSD function (96.0W x 96.0H x 75.5D mm)</i>									
i3B12Y/10D03-SCHF	3.5" Monotone 160x128	5	Y		6	12	4		
i3B12Y/20B05-SCHF	3.5" Monotone 160x128	5	Y	16		24	2		
i3B12Y/13C14-SCHF	3.5" Monotone 160x128	5	Y	12		12		2	2
<i>i3 - "C" Version - 32 bit Color Graphical Touchscreen - W/ MicroSD function (186.1W x 143.6H x 77.0D mm)</i>									
i3C12Z/10D03-SCHF	5.7" 32k Color 320x240	6	Y		6	12	4		
i3C12Z/20B05-SCHF	5.7" 32k Color 320x240	6	Y	16		24	2		
i3C12Z/13C14-SCHF	5.7" 32k Color 320x240	6	Y	12		12		2	2

You May Also Need...

Model No.	Description
i3-E	Ethernet Attachment
i3-MA	GSM/GPRS Modem Attachment
i3PC45	Programming Cable 9-pin female to RJ-45
PC501	USB-Serial converter

i3 - Serial Expansion Modules - DIN-Rail Mounted

Model No.	Description
IOS/M04ITX-D1	4 Channel TC input
IOS/M08BDR-D1	8 Channel Digital I/O - 4 inputs + 4 Relay outputs
IOS/M12BDD-D2	12 Channel Digital I/O - 4 inputs + 8 Trn outputs
IOS/M04IPX-D1	4 Channel RTD input
IOS/M08ICX-D1	8 Channel DC current input
IOS/M12IDX-D1	12 Channel Digital Inputs
IOS/M04OXA-D1	4 channel Analog output 14bit, 0-10/4-20mA