

# i<sup>3</sup> Intelligent Control Station

## All-in-one solution



- Choice of display
- 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 Analogue 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 Maths
- Real Time Clock
- Protocols (Modbus, AB DF1, Mitsubishi, GE Fanuc)
- 256KB RAM (Ladder), 1MB Graphical
- IP65 (NEMA4) CE, cUL, UL
- Free Configuration Software
- 10-30VDC Supply



### Displays:

- 128 x 64 Monochrome with 10 Programmable Keys
- 160 x 128 Monochrome with 4 Programmable Keys
- 320 x 240 32K Colour with 5 Programmable Keys

### Options:

	i3A12X/10A01-S00	i3A12X/10D03-SCH i3B12Y/10D03-SCHF i3C12Z/10D03-SCHF	i3A12X/10AB04-SCH	i3A12X/20B05-SOH i3B12Y/20B05-SCHF i3C12Z/20B05-SCHF	i3A12X/13C14-SOH i3B12Y/13C14-SCHF i3C12Z/13C14-SCHF
CAN Port		All Models	All Models	i3B, i3C	i3B, i3C
Digital Inputs (10 - 30VDC)	12	12	12	24	12
Digital Outputs (0.5A)			12	16	12
Relay Outputs (3A)	6	6			
Analogue Inputs	1	4 (10-Bit, 0(4)-20mA, 0-10V)	2 (10-Bit, 0(4)-20mA, 0-10V)	2 (10-Bit, 0(4)-20mA, 0-10V)	2 (14-Bit) TC / PT100, mA, V)
Analogue Outputs					2 (12-Bit, 4-20mA, 0-10V)
Webserver/TCP Client		i3C12Z/10D03-SEHF		i3C12Z/20B05-SEHF	i3C12Z/13C14-SEHF
USB Programming		i3C		i3C	i3C
MicroSD (up to 2GB)	Fitted as standard on i3B and i3C models, add 'F' to end of part number for i3A (ie. i3A12X/10A01-S00F)				
Modem (SMS, GSM, GPRS)	i <sup>3</sup> -MA (with antenna)				
Ethernet (Expansion card)	i <sup>3</sup> -E				
RS232 Programming Cable	i <sup>3</sup> -PC45 (For RS232 to USB convertor add part: PC501)				
GPRS Data Services	Ask IMO <a href="mailto:automation@imopc.com">automation@imopc.com</a>				

### Expansion I/O: (Modbus)

Input - 4 Channel RTD (0-2000ohm, 0-500ohm, PT100, Ni100, PT1000, Ni1000)	iOS / M 04 I P X - D1
Input - 8 Channel DC Current (-20mA to +20mA)	iOS / M 08 I C X - D1
Input - 8 Channel DC Voltage (-10V to +10V)	iOS / M 08 I V X - D1
Input - 8 Channel Thermocouple (J, K, R, S, B, E, T, N, +/- 50mV, +/-100mV)	iOS / M 08 I T X - D1
Output - 4 Channel DC Voltage / Current (0-20mA, 0-10V)	iOS / M 04 O X A - D1
16 Digital Input, 16 Transistor Output (0.1A / Channel, 2A / Common)	GSL - D T 4 A
16 Relay Output (2A / Channel, 5A / Common)	GSL - R Y 2 A
32 Digital Input	GSL - D 2 4 A

Note: Other I/O configurations and Fieldbus options are available, ask IMO [automation@imopc.com](mailto:automation@imopc.com)