



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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
PCS01	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