



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!



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## ▶▶▶ Industrial RTU

### PRODUCT HIGHLIGHTS

- Process Control, SCADA, & DCS
- A modular and scalable automation solution
- Your choice of open programming
- IEC 61131 open and high level C++ programming
- Limitless multi-user connectivity
- Telephone, Internet, and wireless telemetry
- Dual Ethernet Networks
- Two unique IP addresses for redundant networking
- Advanced industrial capabilities
- Redundancy, datalogging, peer to peer links
- True open system design
- Ethernet TCP, Modbus, LINUX, OPC, and more
- Small to large applications
- Scalable from 1 to 1,000+ stations
- Unlimited I/O expansion
- Grow from a few points to more than 50,000
- Embedded LINUX Open Source Software
- Web servers, custom com drivers & much more
- An OEM's Dream Platform
- Add your own LINUX applications

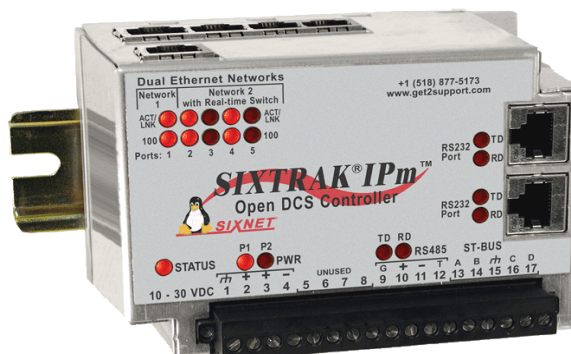
### PERFORMANCE SPECIFICATIONS

- Industrial PowerPC (32 bit data bus)
- Operating system embedded LINUX
- Dynamic memory (RAM) 16+ Megabytes - 32bit; 0 wait states
- Program memory (Flash) 16+ Megabytes
- Datalogging memory (RAM) 512K or 2 MB (battery-backed)
- Maximum local I/O 640
- Maximum distributed I/O 50,000+ (application dependent)
- Datalogging support Sixnet Sixlog
- IEC 61131 programming Sixnet ISaGRAF
- High Level C programming LINUX open software

### ETHERNET PORTS (All)

- 10/100BaseTx (auto-detecting)
- Connection RJ45 (auto-crossover)
- Protocols TCP/IP, ARP, UDP, ICNP, DHCP, Modbus/TCP, Sixnet, and more
- Independent networks 2 w/ unique MAC and IP addresses
- Network port 1 - (1) shielded RJ45 connector
- Network port 2 - (4) shielded RJ45 connectors (linked via integrated Ethernet switch)

All specifications are subject to change. Consult factory for latest info.



### SERIAL PORTS

- Up to 115,200 baud
- RS232 Port A RJ45 (TD, RD, CTS, RTS, CD, TR, DSR, GND)
- RS232 Port B RJ45 (TD, RD, CTS, RTS, CD, DTR, DSR, GND)
- RS485 Port C Screws (485+, 485-, GND) (2-wire half-duplex)
- Protocols (master or slave) Sixnet & ModbusRTU/ASCII; Many others available in LINUX
- Flow control - hardware, software, half/full-duplex modem

### ENVIRONMENTAL

- DIN rail or flat panel mount
- Input power 10-30 VDC
- Input current 150 mA @ 24 VDC (typical)
- Temperature -40 to 70°C (-40 to 85°C storage)
- Humidity 5% to 95% RH (non-condensing)
- Flammability UL 94V-0 materials
- Electrical Safety UL 508, CSA C22.2/14; EN61010-1 (IEC1010); CE
- EMI emissions FCC part 15, ICES-003, Class A; EN55022; EN61326-1; CE
- EMC immunity EN61326-1 (EN61000-4-2,3,4,6); CE
- Surge withstand IEEE-472 (ANSI C37.90)
- Vibration IEC68-2-6
- Hazardous locations UL 1604, CSA C22.2/213, (Class 1, Div 2, Groups A,B,C,D) Cenelec EN50021 Zone 2
- Marine/offshore tested and/or verified to meet various marine and maritime standards

### ORDERING GUIDE

	Static RAM	Dyn RAM	Flash
ST-IPM-1350	- 512K	16 MB	16 MB
ST-IPM-2350	- 2 MB	16 MB	16 MB
ST-IPM-6350	- 2 MB	64 MB	128 MB