Sixnet

SixTRAK ® IPm™

The Ultimate Process Controller with the Power of Open LINUX Software
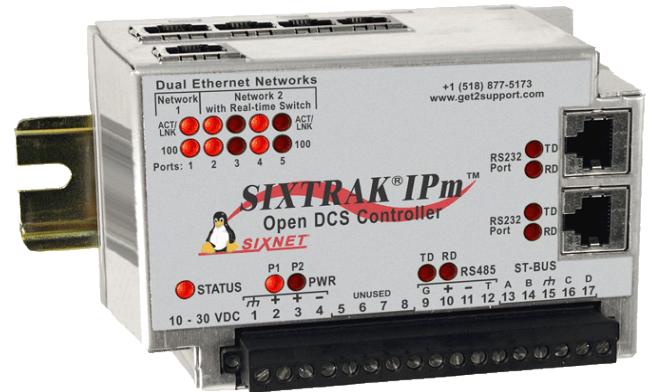
PRODUCT HIGHLIGHTS

- 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)

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
- 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

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

Sixnet Technology Park • 331 Ushers Road • Ballston Lake, NY 12019 • USA
1.518.877.5173 • Fax 1.518.877.8346 • sales@sixnet.com

Datasheet ST-IPM
Rev: 12/10

SOLUTIONS FOR YOUR INDUSTRIAL NETWORKING CHALLENGES   WWW.SIXNET.COM