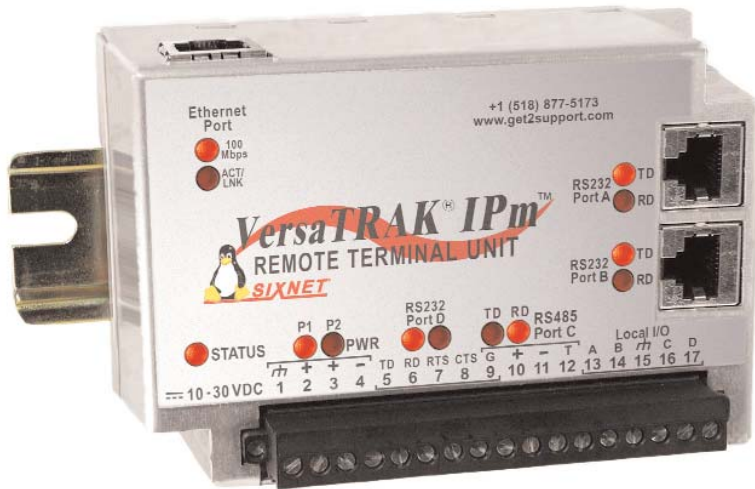


VersaTRAK® IPm™

The Ultimate RTU with the Power of Completely Open LINUX Software



Inside This Compact RTU

Industrial PowerPC (true 32 bit data bus)

16 Megabytes of fast dynamic memory

16 Megabytes of Flash disk

10/100 Auto-detecting real-time Ethernet

Four flexible and fully featured serial ports

Up to 640 local I/O channels

50,000 or more distributed I/O

Embedded LINUX open source software

100% VersaTRAK RTU compatible

SIXNET "I/O for Windows" software tools

Ratings for Zone 2, UL, CSA, CE & DNV

Industrially rugged operation: -40 to 70°C

- **Datalogging and Timestamping**
Trending, alarm logging, & sequence of events
- **Stand Alone Control of Remote Sites**
IEC 61131 PLCopen & high level C++ programming
- **Limitless Multi-user Connectivity**
Telephone, Internet, and wireless telemetry
- **Advanced Communication Capabilities**
Report on exception, store & forward, peer to peer
- **True Open System Design**
Ethernet TCP, Modbus, LINUX, OPC & 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
- **Master Terminal Unit / Concentrator**
Collect data from unlimited remote stations
- **Embedded LINUX Open Source Software**
Web servers, custom com drivers & much more
- **An OEM's Dream Platform**
Add your own LINUX applications

Use this powerful industrial module as an applications-ready Remote Terminal Unit (RTU) or as an open platform for your own LINUX based application.



Benefits of LINUX open source software

- High performance without compromise.
- Wide open for complete flexibility.
- Advanced development tools.
- Complete documentation.
- Available source code.
- 100% Internet enabled.
- An OEMs dream platform.
- Do anything, save money.

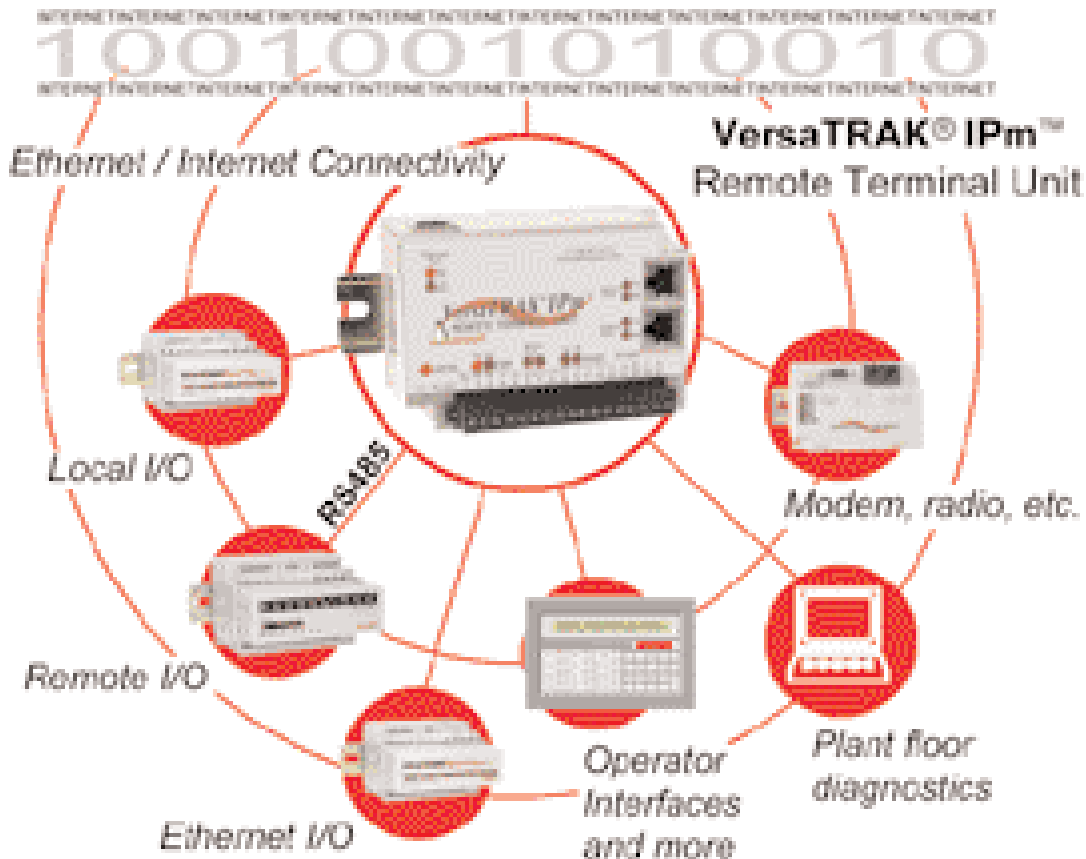
Instant Products to Market.

- All this power at your fingertips.
- Open source reduces technical risks.
- Insure the long life of your systems.
- IPm is still a user-friendly VersaTRAK.
- Supplied with "I/O for Windows" software tools.
- If you have special needs – the means to achieve your goals is in hand.
- LINUX is open UNIX – the operating system found in the big computers.
- UNIX has been around for 30 years, and its popularity is still growing.
- Create Internet servers with high level tools (Microsoft FrontPage, etc.).
- The LINUX software is invisible to the user – only access it if you choose to.
- When thousands of developers pool their resources everyone wins.

The Sky's the Limit!

10/100 real-time Ethernet, four serial ports and limitless I/O expansion connect this powerful RTU to your application.

Six ports offer limitless connectivity!

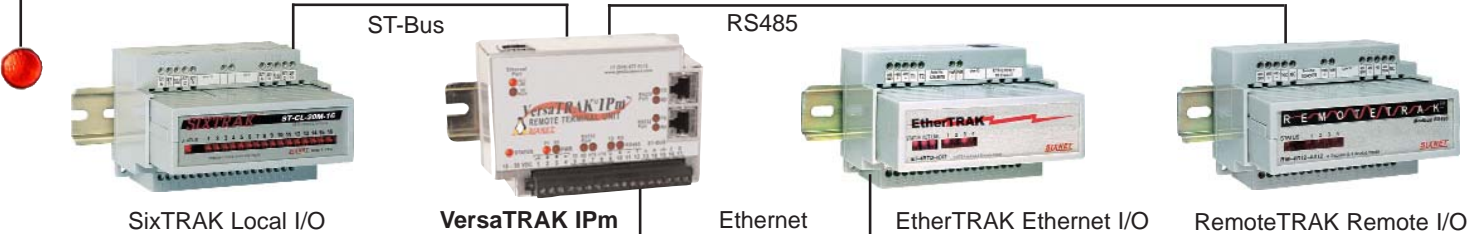


SIXNET

331 Ushers Road, P.O. Box 767

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VersaTRAK IPm is just one modular component of your Scalable Control System



Flexible I/O Choices

SIXNET offers more than 50 local, RS485 and Ethernet I/O modules that connect to a VersaTRAK IPm.



SIXNET "Process Quality" I/O

- 16 bit instrumentation inputs
- 4-20mA, voltage, thermocouples, & RTDs
- AC & DC discrete I/O
- Hot swap capability

Go to www.sixnetio.com for details

Ordering Information

VersaTRAK IPm	Static RAM	Dyn. RAM	Flash
VT-IPM-1410	512K	16 MB	16 MB
VT-IPM-2410	2 MB	16 MB	16 MB
Accessories			
ST-MIX-####	Combo I/O module		
Local I/O	See SixTRAK ordering guide		
Ethernet I/O	See EtherTRAK ordering guide		
RS485 I/O	See RemoteTRAK ordering guide		
VT-MODEM-1	Industrial telephone modem		
RM-PS-024-01F	Universal 24 VDC power supply		
SXTOOLS-# *	I/O Tool Kit software for configuration, diagnostics, datalogging, and more		
ST-1131-### *	ISaGRAF Workbench IEC 61131 programming tools		
PAK####-## *	Complete Packaged System		
* See separate SIXNET Ordering Guide for details.			

Performance Specifications

General	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	Yes – SIXNET Sixlog
IEC 61131 programming	Yes – SIXNET ISaGRAF
High Level C programming	Yes – LINUX open software
Ethernet Port	10/100BaseTx (auto-detecting)
Connection	RJ45 (auto-crossover)
Protocols	TCP/IP, ARP, UDP, ICNP, DHCP, Modbus/TCP, SIXNET, and more
Serial Ports	Up to 115,200 baud
RS232 Port A	RJ45 (TD, RD, CTS, RTS, CD, DTR, 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)
RS232 Port D	Screws (TD, RD, CTS, RTS, GND)
Protocols (master & slave)	SIXNET & Modbus RTU/ASCII; Many others available in LINUX
Flow Control	Hardware, software, RTS-party (for radios and RS485)
Environmental	DIN rail or flat panel mount
Input power	10-30 VDC
Input current	100 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 (Class 1, Div 2, Groups A,B,C,D)	UL 1604, CSA C22.2/213, Cenelec EN50021 Zone 2
Marine & Offshore	DNV (Det Norske Veritas)

Specifications are subject to change. Consult factory for latest information.



VersaTRAK IPm Applications

Water Treatment

SIXNET has been providing leading edge water treatment control and monitoring solutions for many years. The VersaTRAK IPm brings these systems into the 21st century with state of the art technology.

SCADA Systems

The sky is the limit when you link the VersaTRAK IPm into your SCADA systems. SIXNET makes it easy to seamlessly integrate your choice of software with SIXNET solutions to create the ideal system.

Environmental Management

VersaTRAK IPm systems are an idyllic way to effectively meet EPA and other regulations for continuous monitoring systems while minimizing costs. SIXNET makes it easy for you to collect your emissions data into your management software.

Chemical Delivery Systems

Improve the effectiveness of your Chemical Delivery Systems with the VersaTRAK IPm. Control concentrations, monitor usage, create reports, and reorder automatically. SIXNET can provide you with a customized solution to meet your customers exact demands.

Process Control

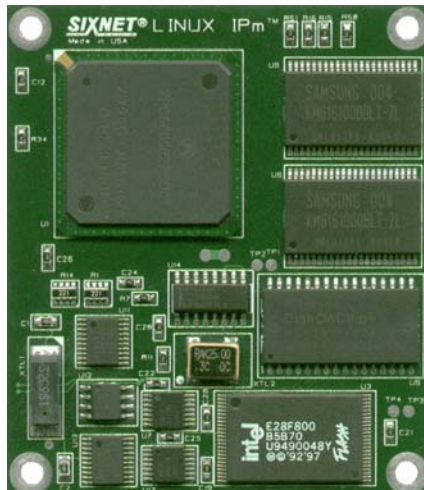
The VersaTRAK IPm has powerful programming tools and many advanced features for building "Scalable" process control systems.

IPm is an OEM Solution

SIXNET will gladly private label or manufacture IPm units to your exact requirements. The VersaTRAK IPm CPU is available to OEMs who need an industrially-hardened platform for new product designs or to web-enable existing products. For more details check out www.linux4oems.com.

The LINUX IPm "pre-integrated subsystem" is available for OEM embedded applications.

For more information visit us on the web at www.linux4oems.com



ACTUAL SIZE

SIXNET Industrial Solutions

SIXNET delivers a broad line of "Industrial Strength" products for process control, SCADA, and remote site management, including:

Industrial Phone Modems



Real-time Ethernet Switches



Modular Ethernet I/O and RS485 I/O



Contact your SIXNET applications engineer today!

For the latest information check out www.sixnetio.com

