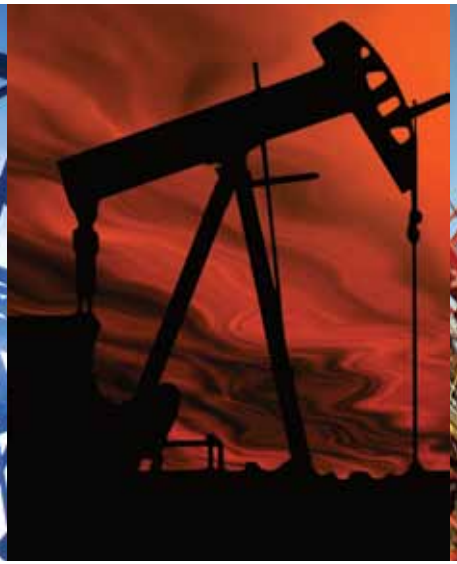
Sixnet

INDUSTRIAL CONNECTIVITY

RUGGED AUTOMATION DEVICES



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INDUSTRIAL CONNECTIVITY

rugged reliable devices

Sixnet's rugged RTUs and I/O provide a simple yet powerful means to reliably monitor and control remote sites around the clock in the harshest environments. Our compact automation systems can start small and grow as needs increase without requiring hardware replacement. Virtually unlimited scalability means organizations have fewer restrictions on the number of remote sites or devices that are supported. "Best of both worlds" programming combines Windows ease of use with the future-proof security of an embedded Linux OS.

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Industrial RTUs

VersaTRAK & SixTRAK INDUSTRIAL RTUs

- **Intelligent datalogging and control in one device**
  - — Combine PLC, datalogger, industrial computer and communications gateway functionality
  - — Based on non-proprietary industry standards and open Linux operating system
- **Rugged environmental ratings**
  - — UL, CSA, CE, ABS Marine and Zone 2 rated
  - — Supports temperatures ranging from -40 to 70°C
- **Many communication ports**
  - — Open protocols enable advanced communication
  - — Modbus, Modbus TCP, IEC60870-5, DNP3, SNMP, Sixnet UDR
- **Scalable automation**
  - — Station addressing: 16,000 Sixnet or 247 Modbus nodes
  - — Theoretical distributed I/O addressing range 50,000+ Tags
- **Works with a variety of process quality I/O modules**
  - — Unlimited I/O expansion
  - — Peer-to-peer I/O transfer capability

	PORTS				ON-BOARD I/O				MEMORY		
MODEL	ETH	232	485	ST-BUS	DI	DO	AI	AO	NVRAM	FLASH	DRAM
ST-IPM-6350	5	2	1	✓	—	—	—	—	2M	128M	64M
VT-MIPM-245-D	1	2	2	—	12	4	8	2	512K	64M	32M
VT-MIPM-135-D	1	2	1	—	12	8	6	—	512K	64M	32M
VT-UIPM-431-H	1	2	1	—	8	4	2	—	512K	16M	16M
VT-IPM2M-113-D	1	1	1	—	12	4	8	—	512K	32M	32M
VT-IPM2M-213-D	1	1	1	—	12	4	8	2	512K	32M	32M

"Sixnet has over a 20-year track record of making hardware and software that answer requirements for industrial datalogging and controls."

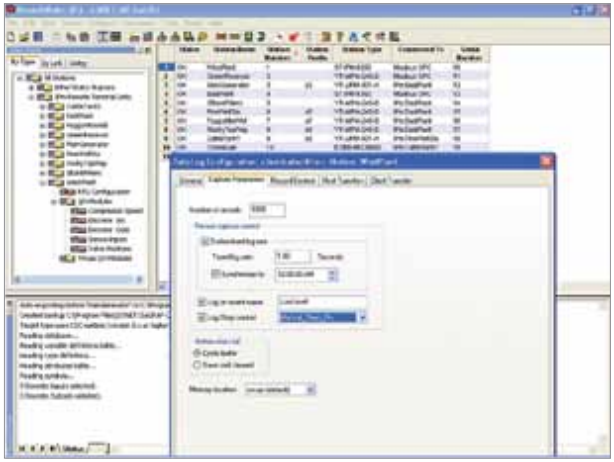
— Open Magazine

"Sixnet's roots are in automation, and the company has been right there as the industry has moved toward Ethernet."

— NetworkWorld

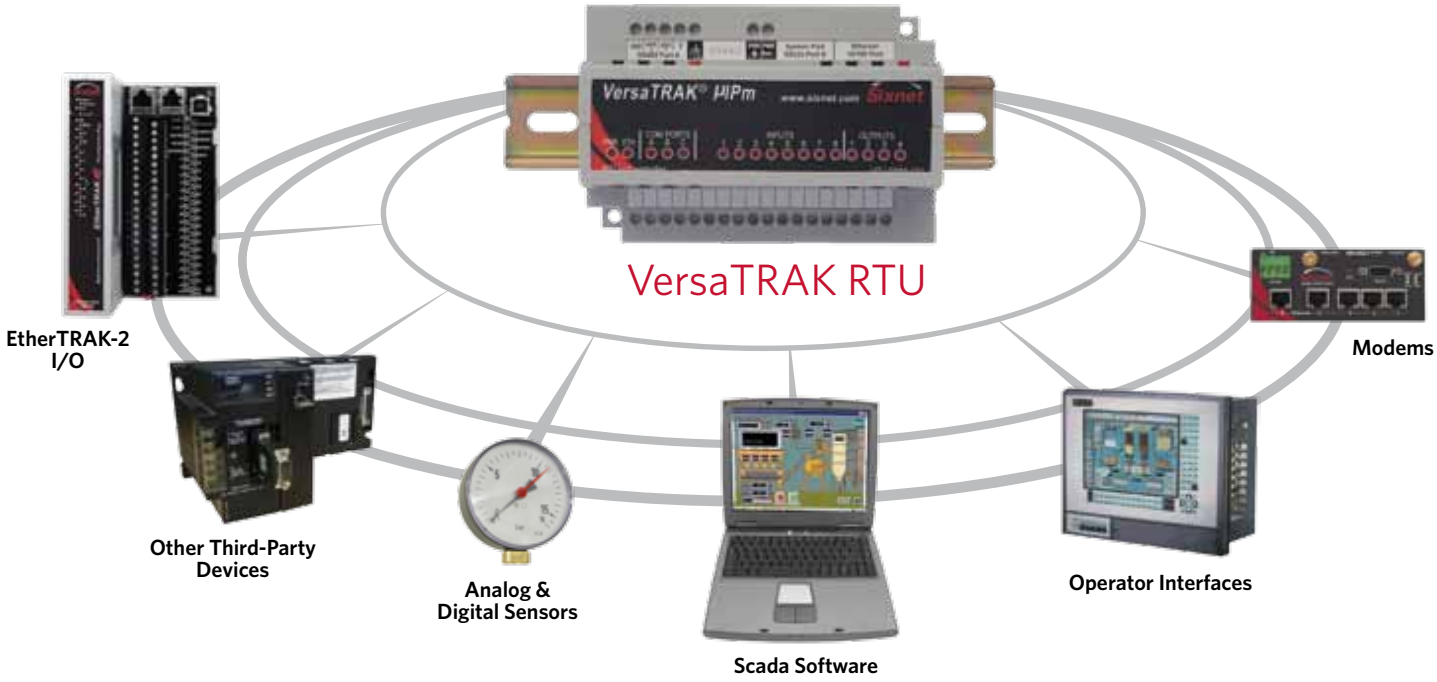
Programming & Configuration Software

SXTOOLS & ISaGRAF OPEN



- **Configure, program and maintain with familiar Windows interfaces**
  - — Easy-to-use GUI provides system-wide view
  - — Configuration wizards support datalogging and alarming
  - — Open programming software supports IEC61131-1 languages:
    - – Sequential Function Chart
    - – Structured Text
    - – Function Block Diagram
    - – Ladder Diagram
    - – Instruction List
    - – Flow Chart

- **Linux operating platform**
  - — Transparent to users
  - — Flexible, open architecture
  - — Integrated Application Development Kit (IADK)
  - — Web server capabilities



FLEXIBLE. RELIABLE. POWERFUL.

I/O Modules

EtherTRAK-2 I/O MODULES

- **High-resolution I/O with a space saving design**
  - Up to 34 I/O channels in a small, modular footprint
  - Web browser-based configuration / testing
  - 1 mS I/O polling for fast updates
  - Embedded I/O concentrator
- **Industry standard protocols offer unparalleled reliability**
  - Two Ethernet ports provide communications redundancy
  - Multi-drop eliminates the need for switches
  - RS485 port for polling Modbus devices
  - Support for Sixnet real-time ring
  - Peer-to-peer transfers
- **Redundant power ensures availability**
  - Self-resetting fuses prevent short circuits
  - Hot swap capabilities reduce downtime
- **Module health and watch dog reporting and monitoring**

MODEL*	DI	DO	AI	AO	DESCRIPTION
E2- OR EB- MIX24880-D	24	8	8	0	Combination I/O with one isolated input counter**
E2- OR EB- MIX24882-D	24	8	8	2	Combination I/O with two analog outputs**
E2- OR EB- 32DI24-D	32	—	—	—	32 inputs (10-30 VDC) including 16 multifunction counters
E2- OR EB- 16DI24-D	16	—	—	—	16 individually isolated 10-30 VAC/VDC with counters
E2- 16DIAC-D	16	—	—	—	16 individually isolated 120 VAC (nominal) inputs
E2- OR EB- 32DO24-D	—	32	—	—	High density discrete outputs (0.5 Amp each, 8 Amp total)
E2- OR EB- 16DO24-D	—	16	—	—	Individually isolated 1 Amp outputs with self-resetting fuses
E2- OR EB- 32AI20M-D	—	—	32	—	High density 16 bit 4-20 mA inputs with self-resetting fuses
E2- OR EB- 32AI10V-D	—	—	32	—	Voltage inputs (other ranges available as special order)
E2- OR EB- 16AI20M-D	—	—	16	—	16 channels 4-20 mA inputs with self-resetting fuses
E2- OR EB- 8AO20M-D	—	—	—	8	4-20mA analog outputs
E2- OR EB- 16AI-8AO-D	—	—	16	8	16 4-20 mA analog inputs and 8 4-20 outputs
E2- OR EB- 10RTD-D	—	—	10 RTD	—	RTD (100 Ohm platinum), -200 to 850˚C plus

*EB part number prefix is for modules that include the optional Etherbus® PoE feature. Standard product part numbers begin with E2

**24 maximum DIs are listed, 8 of which can be configured as either DI or DO. The discrete outputs are protected by self-resetting fuses.

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About

For more than three decades, Sixnet has been providing leading industrial and commercial machine-to-machine (M2M) connectivity to customers and markets worldwide. Sixnet's flexible solutions enable organizations to cost-effectively increase business productivity. By integrating powerful enterprise-class networking with rugged reliability, Sixnet meets the standards of the most demanding industrial and commercial applications in industries such as power & energy, banking & retail, transportation, video & security, utilities, military, mobile data, maritime and more. Based in Ballston Lake, NY, the company has offices across North America, Asia and Europe.

For more information, visit www.sixnet.com, email sales@sixnet.com or call +1 518 877 5173.

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