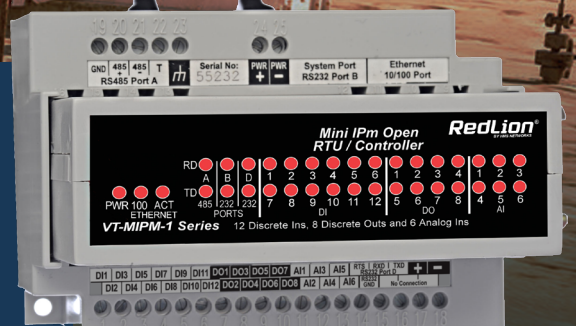




Industrial Controllers and I/O Modules
for Advanced Automation Environments

VT and ST Industrial
Controllers
E2 I/O Modules



Industrial Controllers and I/O Modules

Red Lion’s rugged Industrial Controllers and I/O Modules 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. “Best of both worlds” programming combines Windows ease of use with the futureproof security of an embedded Linux OS.

VT & ST Industrial Controllers

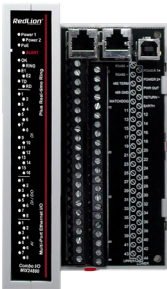
- Rugged environmental ratings
- Intelligent data logging and control in one device
- Programmable control flexibility
- Works with a variety of process quality I/O modules



Model Number	Ports			On Board I/O				Memory		
	Eth	232	485	DI	DO	AI	AO	NVRAM	Flash	DRAM
ST-IPm-8460	6	3	1	-	-	-	-	8M	512M	512M
VT-mIPm-138-D	1	2	1	12	8	6	-	8M	512M	512M
VT-mIPm-248-D	1	2	2	12	4	8	2	8M	512M	512M

E2 I/O Module

- Rugged environmental ratings
- High-resolution I/O with a space saving design
- Three network modes (Ring, passthru, two-network)
- Industry standard protocols offer unparalleled reliability



Red Lion's E2 Ethernet enabled I/O modules provide simple and secure remote monitoring for deployments in harsh environments. E2 offers a low cost per I/O point and rugged environmental ratings for reliable sensor or field data collection and communication.

Connectivity

The E2 I/O modules offer dual Ethernet ports providing network expandability or redundancy functionality supporting TCP/IP, ARP, UDP, ICMP, DHCP, HTTP, Modbus UDP/TCP Slave mode, Modbus UDP Master mode, UDR UDP/TCP Slave mode, and UDR UDP Master mode. Additionally, built-in security helps prevent unauthorized users with permission-level access and Firewall protection. The E2 modules also offer RS485 and RS232 serial connectivity and USB connectors for easy management and communication to deployed assets.

Performance

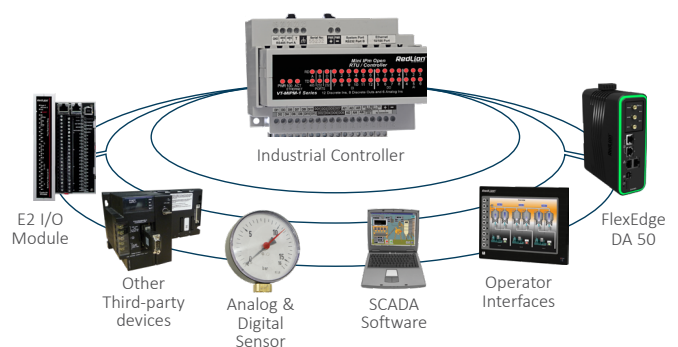
The E2 line of I/O modules provide uncompromising performance in harsh environments. The E2 RS485 and RS232 modules accept 10-30 VDC power input (24 VDC nominal).

Environmental

Red Lion's E2 I/O modules are designed and built for harsh environments. With -40° to 75°C operating temperatures, UL Class I, Division 2 Group A, B, C, D listings, CSA, ATEX Zone 2, ABS Type Approved, DNV Type Approved (ST-IPm-8460). With built-in self-resetting fuses the E2 will provide years of reliable operation in any industrial environment.

Configuration and programming software

- Configure, program and maintain with familiar Windows interfaces
- Easy-to-use GUI provides system-wide view
- Configuration wizards support data logging and alarming
- Open programming software supports IEC61131-3 languages:
 - Sequential Function Chart
 - Ladder Diagram
 - Structured Text
 - Instruction List
 - Function Block Diagram
- Linux operating platform
- Flexible, open architecture
- Integrated Application Development Kit (IADK)



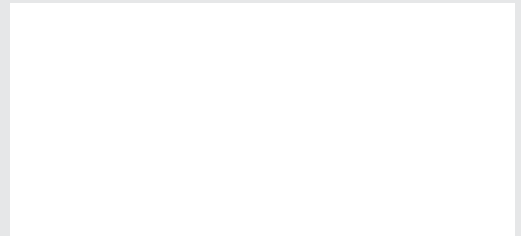


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