

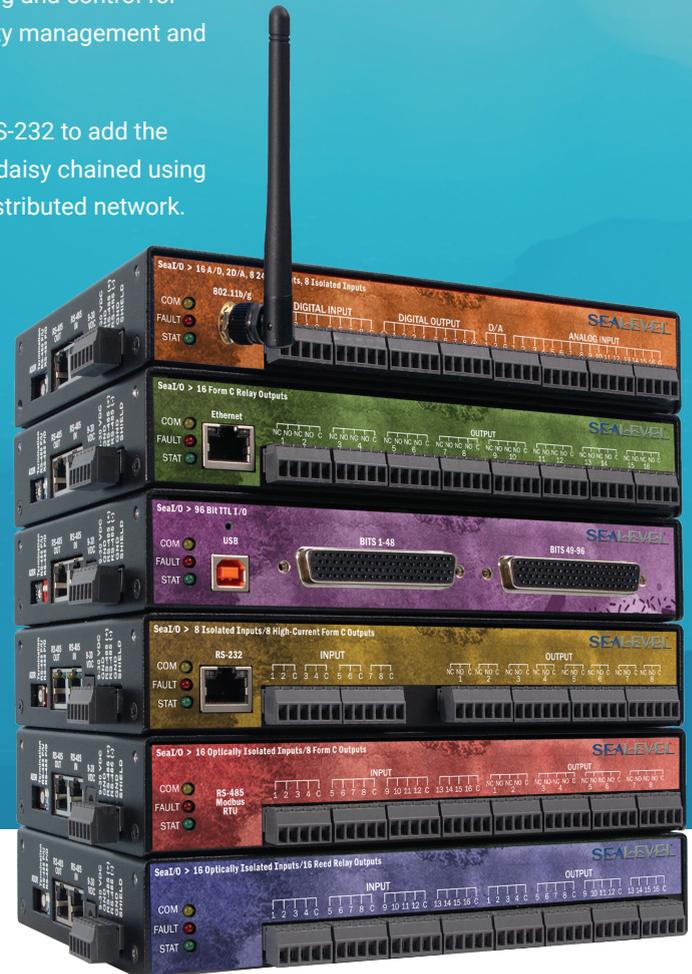
Empowering I/O Connectivity

Sea/I/O Data Acquisition Devices

Sealevel's Sea/I/O data acquisition modules deliver monitoring and control for applications including automation, broadcast, security, facility management and test systems.

Connect to the host via wireless, Ethernet, USB, RS-485, or RS-232 to add the functionality required for your system. Multiple units can be daisy chained using convenient pass-through connectors to create a versatile, distributed network.

- Powerful software configuration & diagnostic tools
- Address selectable via software or switch
- Selectable RS-485 line conditioning
- Modbus TCP and Modbus RTU compatible
- Extended temperature options available
- Easily daisy chain multiple units
- Flexible mounting options
- Lifetime warranty



SEALEVEL

Delivering Design & Manufacturing Excellence Since 1986

1 SELECT YOUR HOST INTERFACE

Seal/O modules offer versatile host interface options: choose Ethernet, USB, RS-485, RS-232, or Wireless.



Wireless Ethernet (Modbus TCP)

Control I/O remotely using an 802.11b/g connection. Suitable for a wide range of applications and environments, Sealevel's robust wireless interface provides easy installation and reliable communication.



Ethernet (Modbus TCP)

Seal/O Ethernet modules are compatible with 10/100BaseT Ethernet and allow remote monitoring and control of I/O from anywhere on your network.



USB (Modbus RTU)

Seal/O USB modules allow any USB port to interface with your I/O. Sealevel's innovative SeaLATCH locking USB cable design and high-retention connector guarantee trouble-free connectivity even in high vibration or industrial environments.



RS-485 (Modbus RTU)

Targeted for traditional plant floor automation applications, Seal/O Rs-485 modules are compatible with industry-standard Modbus RTU protocol, which allows Seal/O to operate with a wide variety of PLCs and third-party Modbus controllers.



RS-232 (Modbus RTU)

Turn any computer into a powerful data acquisition system with Seal/O RS-232 modules. Seal/O expands traditional RS-232 point-to-point communications to allow control of up to 247 modules from a single serial port.

2 CONFIGURE YOUR I/O

Sealevel multifunction Seal/I/O modules combine commonly used digital inputs and outputs with analog I/O selectable for a variety of voltage ranges or 4-20ma current loop. This mix of I/O allows you to optimize the cost and size of your distributed I/O network.

SERIES	INPUTS	OUTPUTS
410	16 Optically Isolated	16 Reed Relays
420	16 Optically Isolated	8 Form C Relays
430	32 Optically Isolated	
440		32 Reed Relays
450		16 Form C Relays
462	96 Channel Parallel I/O (TTL)	
463	96 Channel Parallel I/O (TTL)	
470	8 Optically Isolated, 16 A/D	2 D/A, 8 Open Collector
520	8 Optically Isolated	8 High-Current Form C Relays
530	16 Optically Isolated	16 Open Collector
540		32 Open Collector
570	8 Optically Isolated, 8 16-Bit A/D	8 Form C Relays
580E/PoE	32 Isolated Dry Contacts	

3 IMPLEMENT YOUR SOFTWARE

For quick software implementation, application programs or third-party software can use Sealevel's SeaMAX libraries or industry-standard Modbus protocol.

About SeaMAX

The SeaMAX Suite is a collection of configuration and diagnostic utilities and software libraries that enable rapid application development. SeaMAX is designed to simplify application development by requiring little knowledge of the underlying communication protocols of Seal/O modules and eliminating the need for low-level programming. SeaMAX is available in an unmanaged library and a wrapper library that provides an interface to the API from managed code. Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems.

4 GROW YOUR I/O CONTROL NETWORK

Seal/O Expansion Modules

- Communicate with base modules via RS-485 (Modbus RTU)
- Modules can be located together in a stack or distributed throughout your facility

I/O Intensive Touch Panel & Embedded Computing Solutions

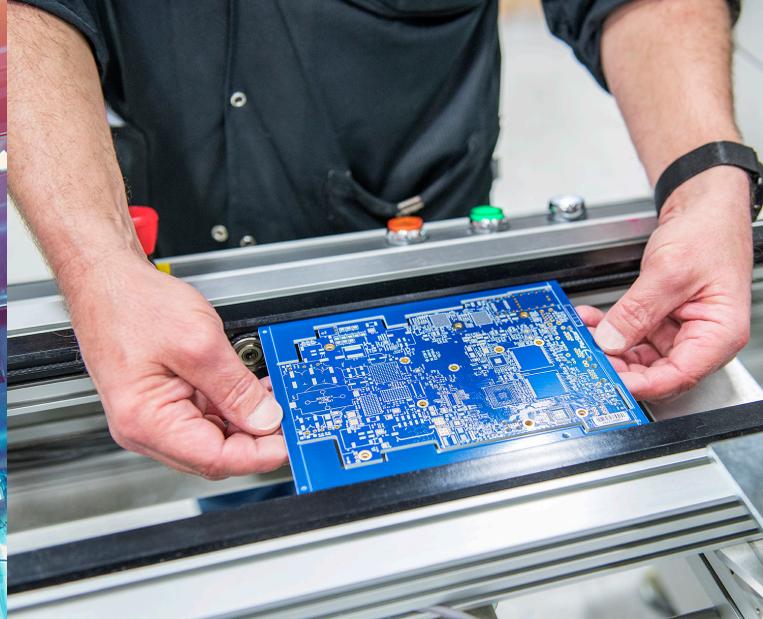
- Extended temperature and vibration tolerant
- Optimized for SWaP
- Custom design services available

USB Hubs for Maximum Charging & Data Transfer

- USB 3.1 compliance and backwards compatibility
- Widest-in-industry operating temperature range
- SuperSpeed data transfer and MTT design

Serial I/O Interfaces

- Asynchronous and synchronous for fast, reliable communications
- Bus-based, USB or Ethernet
- Robust software drives for easy installation



Create flexible, remote I/O installations with Ethernet and wireless Seal/O devices or choose I/O modules that connect directly to the host via USB, RS-485 or RS-232 interfaces. All made in the USA and backed with a lifetime warranty.





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