Sealevel’s SeaI/O data acquisition modules provide powerful digital, analog, and serial expansion to any computer. Connect to the host via wireless, Ethernet, USB, RS-485, or RS-232 to add the functionality required for your particular application. Multiple units can be daisy chained using convenient pass-through connectors to create a versatile distributed control and monitoring network. For ease of installation, multiple modules can be combined in a local stack or separated up to 4000 feet using the RS-485 Modbus RTU expansion interface. SeaI/O modules offer:

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

Choose from a variety of I/O configurations, each designed for maximum flexibility and easy field wiring. For quick software implementation, application programs or third-party software can use Sealevel’s SeaMAX libraries or industry-standard Modbus protocol.

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.
SeaI/O Ethernet modules are compatible with 10/100BaseT Ethernet and allow remote monitoring and control of I/O from anywhere on your network. Use Sealevel’s SeaMAX software or industry standard Modbus TCP for easy software installation.

Targeted for traditional plant floor automation applications, SeaI/O RS-485 modules interface are compatible with industry standard Modbus RTU protocol. This compatibility allows SeaI/O implementation in legacy Modbus RTU networks and operation with a wide variety of PLCs and other controllers.

SeaI/O USB modules allow any USB port to interface your I/O. Sealevel’s innovative locking USB connector and cable design guarantees trouble-free connectivity even in high-vibration or industrial environments.

Turn any computer into a powerful data acquisition system with SeaI/O RS-232 modules. SeaI/O expands traditional RS-232 point to point communications to allow control of up to 247 modules from a single serial port.
Choose from a wide range of digital, analog, and serial functionality perfect for a variety of applications including process control, broadcast automation, security, and facility management. Choose your host connection, then add SeaI/O Expansion modules as needed. The SeaI/O architecture allows daisy chaining up to 247 SeaI/O devices to create a control network optimized for your requirements.

**SeaI/O-410 Series**
- 16 nonpolarized optically isolated inputs
- 30VDC max. input
- 300V isolation
- 6.2K ohms series input resistance
- 16 SPDT Form A Reed relays
- 60VDC @ 500mA max. contact rating

**SeaI/O-420 Series**
- 16 nonpolarized optically isolated inputs
- 30VDC max. input
- 300V isolation
- 6.2K ohms series input resistance
- 8 SPDT Form C relays
- 60VDC @ 2A max. contact rating

**SeaI/O-430 Series**
- 32 nonpolarized optically isolated inputs
- 30VDC max. input
- 300V isolation
- 6.2K ohms series input resistance

**SeaI/O-440 Series**
- 32 SPST Form A Reed relays
- 10VA max. power
- 60VDC max. contact voltage
- 500mA max. contact current

**SeaI/O-450 Series**
- 16 SPDT Form C relays
- 60VDC max. contact voltage
- 2A max. contact current
- Normally-open and normally-closed contacts on connector

**SeaI/O-462/463 Series**
- 96 bits of buffered TTL I/O
- Programmable as input or output in 8-bit groups
- 462 Series - Two DB-78 connectors
- 463 Series - Standard 50-pin ribbon cables

**SeaI/O-470 Series**
- 8 differential or 16 single-ended 12-bit A/D inputs
- Inputs configurable for 4-20mA inputs
- 2 12-bit D/A outputs
- 8 optically isolated inputs
- 8 open-collector 24V outputs

**SeaI/O-480 Series**
- 8 nonpolarized optically isolated inputs
- 30VDC max. input
- 8 high-current Form C relays
- 240VAC/125VDC max. contact rating
- 7A max. contact current

**SeaI/O-490 Series**
- 64 bits of buffered TTL I/O
- Programmable as input or output in 8-bit groups
- 492 Series - Two DB-78 connectors
- 493 Series - Standard 50-pin ribbon cables

**SeaI/O-520 Series**
- 8 nonpolarized optically isolated inputs
- 30VDC max. input
- Options allow powering peripherals over serial
- 7A max. contact current
All SeaI/O Devices Offer:
Choice of Connectivity
> 802.11b/g
> Ethernet
> USB
> RS-232
> RS-485

Choice of I/O
> Reed and Form C Relays
> Optically Isolated Inputs
> TTL Interface to Industry Standard Solid-State Relay Racks
> A/D and D/A Functionality

Supports Industry Standard Modbus Protocol
Status Indicator LEDs for Communication, Fault, and Power
Field Removable Terminal Block Connectors
9-30VDC Power Input
Daisy Chain up to 247 Modules
Extended Temperature Available (-40°C to +85°C)
Rugged Metal Enclosure
Compact Size - 7.5”(L) x 5.1” (W) x 1.3” (H)
Din Rail or Table Mount
Lifetime Warranty

Modular.
Rugged.
Expandable.

SeaI/O Data Acquisition Solution.

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