Digital & Analog I/O

USB Digital I/O

USB digital I/O modules connect to any computer's USB port and offer choices including optically isolated inputs, Reed and Form C relays and TTL interfaces to industry-standard solid-state relay racks. SeaI/O wireless Ethernet modules provide easy installation, and remote control, for reliable communication.

Ethernet

Sealevel's eI/O Ethernet and PoE I/O adapters are cost-effective and allow remote monitoring of analog and digital I/O from anywhere on your Ethernet network. I/O options include optically isolated inputs, Reed, Form C and solid-state relay outputs, and analog to digital inputs. Sealevel's SeaI/O Ethernet modules are also compatible with 10/100Base T Ethernet to enable I/O control from anywhere on your industrial Ethernet network.

SeaI/O

Sealevel's SeaI/O data acquisition devices 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 DAQ application. Multiple units can be daisy-chained using convenient pass-through connectors to create a versatile remote control and monitoring network. Perfect for a variety of applications including process control, broadcast automation, security and facility management.

PCIe

Sealevel PCI Express digital I/O cards are designed for computers with X1 PC Express slots and are compatible with any PCI Express slot. Digital I/O cards are currently available with optically isolated inputs and Reed relay outputs. Optically isolated inputs protect the PC from voltage spikes common to industrial environments while Reed relay outputs provide reliable, long-life switch closures suitable for low current applications.

PCI

Sealevel PCI digital I/O cards are available with optically isolated inputs and Reed relay outputs. For high-voltage requirements, TTL versions provide convenient connections to industry-standard solid-state relay racks. Sealevel low profile PCI digital I/O boards meet the requirement for the MD1 low profile specification and feature Universal Bus (3.3V and 5V) for compatibility with both new and legacy computer systems.

Serial I/O

USB Serial Adapters

Whether you require one serial port or sixteen, SeaLINK® USB serial adapters will have you quickly communicating with RS-232, RS-422 and RS-485 peripherals. Unlike traditional UART-based products, SeaLINK USB serial adapters use a state-machine architecture that reduces host processor overhead for faster, more reliable communications. Sealevel offers the largest selection of USB serial adapters available, including models with software configurable electrical interfaces. Authentic FTDI ICs ensure years of reliable, glitch-free communications while high-retention USB connectors prevent accidental removal of USB cables. SeaCOM software driver supports Microsoft Windows and Linux operating systems for easy installation.

Ethernet Serial Servers

SeaLINK® Ethernet serial servers offer the easiest way to connect RS-232, RS-422 and RS-485 serial devices to your Ethernet network. All SeaLINK devices use industry-standard TCP/IP protocol enabling any host to access serial ports as virtual COM ports. Designed using a powerful embedded microprocessor, SeaLINK products are able to communicate over multiple ports at sustained data rates up to 230Kbps. Sealevel industrial Ethernet serial servers support custom baud rates and 9-bit protocol and are housed in rugged enclosures for reliable performance in industrial environments.

PCIe Asynchronous Serial Adapters

Sealevel PCI Express serial boards utilize 120-byte FIFOs for maximum reliability in data-intensive applications. Software developed for standard PCI boards will also work with Sealevel PCI Express boards, simplifying your transition to this

next-generation PCI bus. Sealevel PCIe serial boards are configurable for RS-232, RS-422, and RS-485 electrical interfaces. These PCIe serial boards are fully compatible with X2, X4, X8, X16, and X32 PCI Express slots.

PCI Asynchronous Serial Adapters

Sealevel's PCI bus serial boards offer the widest choice of I/O connectivity available. Products include RS-232, RS-422, and RS-485 PCI serial solutions. Our PCI boards are available with a wide range of accessories to make installation easy. Sealevel low profile Universal Bus PCI boards are designed for many newer computers that lack standard height PCI slots.

PCI Synchronous Serial Adapters

Critical military, aerospace and commercial applications often use synchronous communication when high-speed data transfer is required. All Sealevel synchronous serial products are engineered with strict attention to timing to achieve the most reliable, high-speed communication possible. Choose from a variety of RS-232/422/485 multi-interface products that support HDLC/SDLC and other protocols.

PCIe Synchronous Serial Adapters

Sealevel PCIe X1 synchronous serial cards are fully compatible with X2, X4, X8, X16, and X32 PCI Express slots. Software developed for standard PCI adapters will also work with Sealevel PCIe synchronous serial adapters, simplifying your transition to this next-generation PCI bus.