

Serial I/O

Sealevel asynchronous and synchronous serial interfaces are designed for high-speed applications and support RS-232, RS-422, RS-485, and RS-530 electrical interface standards. Whether you choose a traditional bus-based approach or opt for easy-to-use USB or Ethernet solutions, you will be quickly communicating with your serial devices. Every product ships with thorough software drivers and useful tools to make setup and installation a snap.

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



Sealevel Ethernet serial servers and adapters offer the easiest way to connect RS-232, RS-422, and RS-485 serial devices to your Ethernet network. All Sealevel Ethernet serial servers and adapters use industry-standard TCP/IP protocol, enabling any host to access serial ports as virtual COM ports. Designed using a powerful embedded microprocessor, SeaLINK® Ethernet serial servers can 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 harsh environmental conditions. Sealevel eI/O, PoE I/O, and Seal/O products enable I/O control from anywhere along your wired network. Seal/O-W wireless DAQ devices allow users to control I/O remotely using an 802.11b/g connection.

- RS-232, RS-422, and RS-485 serial connections
- SeaLINK Ethernet serial servers are designed with microprocessors that enable multiple port connections at sustained data rates up to 230Kbps
- Sealevel industrial Ethernet serial servers support custom baud rates and 9-bit protocol
- All Sealevel Ethernet serial servers and adapters feature 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.