



# USB to 48 Channel TTL Digital Interface Adapter

Part: 8203FX | Model: SeaLINK PIO-48

**This product is classified as legacy and will be supported with limited, available inventory. Call for current pricing and product availability.**

Sealevel will support legacy products through technical and warranty support, software drivers and product manuals. Please contact Sales for further information. For new product designs, we recommend the Seal/O-462U.

The SeaLINK® 8203FX USB digital I/O interface adapter provides 48 channels of buffered drive digital I/O. Connect one or two industry-standard relay racks for PC based control and automation of equipment including sensors, switches, security control systems and other industrial automation systems.

The 8203FX digital I/O interface adapter contains six groups of eight-bit I/O ports, configurable as inputs or outputs to suit the automation task. The mode of each of the ports is user selectable as inputs or outputs by simply writing a control word to the port register. This gives the user the ability to customize the combination of inputs and outputs as needed. Two 50-pin headers provide the interfaces to industry-standard relay racks and terminal blocks.

Sealevel's SealO Classic software drivers and utilities make installation and operation easy using Microsoft Windows operating systems.

To simplify installation and configuration, a printed copy of the USB Digital I/O QuickStart Guide is included with all USB Digital I/O orders.

***Important: This product is not supported on systems with USB 3.x ports, regardless of the speed of the USB port it is connected to. If you are a previous customer of non-FX SeaLINK digital I/O adapters, you must update your SealO driver for proper operation of this 8203FX module. Please read this Support Article for details.***

Get a jump start on your digital I/O development with The Digital I/O Handbook that will provide helpful information that you will use again and again. Check out Chapter 1 for an overview of logic principles.

## Features & Specifications

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#### Features

- Provides 48 channels of buffered TTL I/O
- Each 8-bit port individually configurable as input or output
- 10K ohm pull up resistors on each port bit
- +5V power and ground provided on connector
- Two industry standard 50-pin solid-state relay rack connectors
- Includes 5VDC @ 2.4A wall mount power supply (Item# TR101)
- Includes 6' USB device cable (Item# CA179)
- DIN rail mounting option available (Item# DR102)
- Sealevel SealO Classic software supports Microsoft Windows operating systems

#### Specifications

<b>Board Connector</b>	(2) 50-Pin Headers
<b>Family</b>	SeaLINK
<b>Digital I/O</b>	TTL I/O
<b>Dimensions</b>	7.1 (L) x 5.3 (W) x 1.5 (H)
<b>Extended Temperature</b>	Call for Options
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Host Interface(s)</b>	USB
<b>Number of Inputs/Outputs</b>	48 (TTL)
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b>Output Specification</b>	Sink up to 64mA, Source up to 32mA
<b># of Ports</b>	48
<b>Power Requirement</b>	+5V @ 2.4A
<b>RoHS Compliant</b>	Yes
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)
<b>USB Specification</b>	1.1 Compliant, 2.0 Compatible