

# USB to 32 Optically Isolated Inputs Digital Interface Adapter

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**Part:** 8223 **Model:** SeaDAC ISO-32

## Description

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Interface 32 optically isolated inputs via any USB connection with the 8223. Inputs can range from 5-30VDC and provide 300V external isolation. Connection is made using convenient 3.5mm removable screw terminal connectors. To facilitate easy wiring, the inputs are grouped in 4-bit segments that each share a common.

SeaDAC modules are housed in a rugged, attractive plastic enclosure and include a highly-retentive USB Type B connector to prevent accidental disconnection. The 8223 is USB bus-powered, so no external power supply is needed. Standard operating temperature range of SeaDAC modules is 0°C to 70°C and extended temperature range (-40°C to 85°C) is optional.

The SeaMAX software suite supports the SeaDAC family and is designed to work with third-party applications via the [SeaMAX API](#) software libraries, or use any Modbus RTU compliant device. Sealevel's [SeaMAX](#) software drivers and utilities make installation and operation easy using [Microsoft Windows](#) and [Linux](#) operating systems.

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.

Category: [SeaDAC](#)

## Additional information

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<b>Family</b>	SeaDAC
<b>Digital I/O</b>	Isolated Inputs
<b>Dimensions</b>	9.2 (L) x 5.3 (W) x 1.7 (H)
<b>Extended Temperature</b>	Call for Options
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>Input Isolation</b>	300V
<b>Input Range</b>	5-30 VDC
<b>Input Impedance</b>	6.2K Ohms (in series)
<b>Host Interface(s)</b>	USB
<b>Modbus</b>	Modbus RTU
<b>Number of Inputs/Outputs</b>	32 Inputs
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b># of Ports</b>	32
<b>Power Requirement</b>	+5V @ 500mA

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**Storage Temperature**

-50°C to 105°C (-58°F to 221°F)

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**USB Specification**

1.1 Compliant, 2.0 Compatible

32 optically isolated inputs

Removable screw terminals simplify field wiring

High-retention USB Type B connector prevents accidental disconnection of USB cable

Powered by USB connection

Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Housed in rugged, attractive plastic enclosure

72-inch USB A to B cable included

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