

USB to 16 Isolated Inputs / 16 Open-Collector Outputs

Part: 530U | **Model:** SeaI/O-530U

Control and monitor 16 optically isolated inputs and 16 open-collector outputs via any USB connection with the SeaI/O-530U. Inputs can range from 5-30VDC, while the open-collector outputs provide high current sinking over a large operating voltage. Each open-collector output circuit includes a flyback diode for protection when interfacing highly inductive loads, such as DC motors. Inputs are grouped into four-bit segments. Each group shares a common for easy wiring via removable 3.5mm terminal blocks. Outputs are grouped in eight-bit ports which share high and low voltage inputs.

The SeaI/O-530U is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-530U using Sealevel 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.

Expand your I/O network with SeaI/O N-series products. SeaI/O modules are available with Reed and Form C relays, optically isolated inputs, TTL interfaces, A/D and D/A functionality. Up to 246 additional expansion modules can be added using convenient pass-through connectors.

The SeaI/O-530U integrates Sealevel's SeaLATCH locking USB port, which is fully compatible with standard USB cables. When used with the included USB cable with a SeaLATCH USB type B connector, the metal thumbscrew provides a secure connection to the device and prevents accidental cable disconnection.

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

- 16 optically isolated inputs
- 16 open collector outputs
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- Sealevel's SeaLATCH locking USB port provides secure connection with SeaLATCH USB cables via metal thumbscrews
- Optional DIN rail or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems
- Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)

Specifications

Family	SeaI/O
Digital I/O	Isolated Inputs, Open-Collector Outputs
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)
Extended Temperature	Call for Options
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Input Isolation	2500VAC RMS, 3500VDC
Input Range	5-30 VDC
Input Impedance	6.2 K Ohms (in series)
Host Interface(s)	USB
Number of Inputs/ Outputs	16 Inputs / 16 Outputs
Operating Temperature	-25°C to 85°C (-13°F to 185°F)
Output Dissipation	Max. 1000mA (single), Max. 2000mA (port)
Output Isolation	2500VAC RMS, 3500VDC
Output Power	DC 60W max.
Output Type	Open-Collector
Output Voltage	Max. 60VDC
# of Ports	16/16
Power Requirement	9-30 VDC @ 1.7W
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)

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