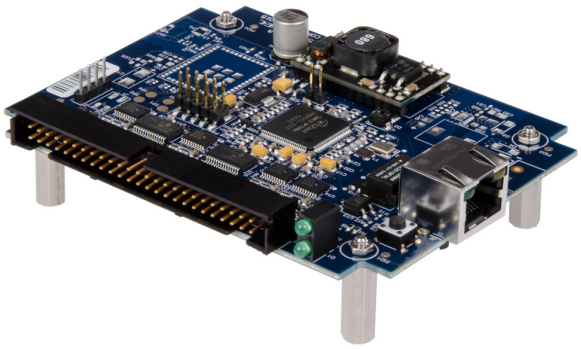
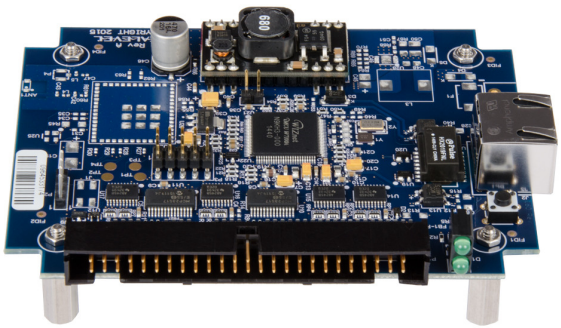
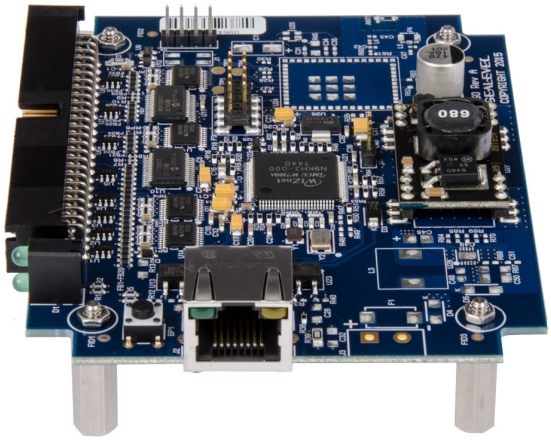
Ethernet to 32 Channel TTL Digital I/O Interface, with PoE (802.3af)

sealevel.com/product/160poe-oem-ethernet-to-32-channel-ttl-digital-i-o-interface-with-poe-802-3af







Part: 160PoE-OEM **Model:** eI/O PIO-32-OEM

$139.00

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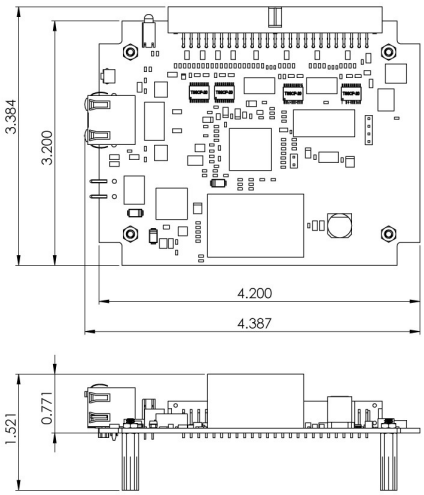

Description

Control and monitor up to 32 channels of buffered drive digital I/O via any 10/100BaseT Ethernet connection with the eI/O-160PoE-OEM digital I/O module.

The module addresses the 32 channels of I/O as four eight-bit ports, each programmable as input or output. Use a standard 50-pin IDC ribbon cable to connect an industry-standard relay rack for PC based control and automation of equipment including sensors, switches, security control systems, and other industrial automation systems. The eI/O-160PoE-OEM 50-pin (TTL) digital interface is pin-compatible with the Sealevel SeaDAC Lite 8126 and accepts the same accessories.

The eI/O-160PoE-OEM is a Class 0 (IEEE 802.3af-2003) Power over Ethernet device. This allows power and data to be transferred over a single CAT5 cable and eliminates the need for an external power supply. With PoE, power can be supplied by power sourcing equipment including PoE injectors (midspans) and switches (endspans).

Perfect for applications requiring an embedded Ethernet I/O solution, the OEM module includes 3/4" metal standoffs that simplifies mounting in your enclosure or cabinet. The metal standoffs also allow you to connect multiple OEM boards together in a stack. Standard operating temperature range is 0°C to 70°C, while status LEDs show power and I/O activity. Additionally, LEDs on the RJ45 connector display Ethernet link and communication activity.

Communicate with eI/O Ethernet digital I/O modules using industry-standard Modbus TCP protocol or use the Sealevel SeaMAX API software libraries from your application program. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows operating systems.

The Sealevel Modbus Connect app for iOS allows you to access the registers, coils and discrete I/O of your Sealevel Modbus devices and is available on the App Store. Use the app to remotely access I/O in the field or for testing and troubleshooting during

application development. The Sealevel Mod+ Connect app is an easy-to-use diagnostic utility that allows you to monitor, test and troubleshoot Sealevel eI/O and SeaI/O modules using your iPhone or iPod touch.

Categories: Digital I/O, eI/O Modules, Ethernet, Ethernet - eI/O, Ethernet (Modbus TCP), Ethernet Connectivity, Modbus TCP & RTU, Remote I/O

Additional information

Output Power	+5VDC @ 350mA max.
Family	eI/O
Dimensions	4.2 (L) x 3.2 (W) x 0.7 (H)
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Host Interface(s)	Ethernet
OEM	Yes
Operating Temperature	0°C to 70°C (32°F to 158°F)
Digital I/O	TTL I/O
Output Specification	Sink up to 64mA, Source up to 32mA
PoE Powered	Yes
# of Ports	32
Power Requirement	802.3af PoE Class 0 @ 2.2W (Typical)
RoHS Compliant	Yes

Storage Temperature	-50°C to 105°C (-58°F to 221°F)
Modbus	Modbus TCP

Watch Video At: https://youtu.be/F5Xt3vQ1rIU

Watch Video At: https://youtu.be/ss7rbda06h8

Watch Video At: https://youtu.be/gNVYp7e9lPI

10/100BaseT Ethernet Modbus TCP interface
32 channels of buffered drive TTL I/O
Each 8-bit port individually configurable as input or output
10K pull-up resistors on each port bit
Industry standard 50-pin solid-state relay rack connector
+5VDC power and ground provided on 50-pin header connector
OEM module with (4) 3/4" aluminum standoffs simplify mounting in your enclosure or cabinet
PoE version allows power and data over a single CAT5 cable, eliminating the need for an external power supply
Status LEDs display power, Ethernet link and I/O activity
Sealevel SeaMAX software supports Microsoft Windows operating systems