SeaI/O - RS-232 Data Acquisition Modules

RS-232 Modbus RTU Interface to 96 Channel TTL Digital Interface

Item # 462S

The SeaI/O-462S is an RS-232 Modbus RTU interface module providing 96 channels of buffered drive digital I/O. The interface module addresses the 96 channels of I/O as 12 eight-bit ports, each programmable as input or output. Connect up to four industry standard relay racks for PC based control and automation of equipment including sensors, switches, security control systems, and other industrial automation systems.

The SeaI/O-462S makes the I/O available via dual DB-78 female connectors. For easy connection to relay racks, Sealevel offers a six-foot cable (Item# CA237) that terminates each DB-78 to two industry standard 50-pin IDC connectors. The SeaI/O-462S is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-462S using the 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 Windows 2000, XP and Vista™ 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.

Technical Specifications

Number of Channels	96 TTL
Power Requirement	9-30 VDC @ 0.7W
Output Specification	Sink up to 64mA
	Source up to 32mA
Output Power	+5V @ 1A (5W) Max
Operating Temperature	0 - +70° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)

Unique Features

▸ RS-232 Modbus RTU interface

▸ 96 channels of buffered TTL I/O via two DB-78 female connectors

▸ Each 8-bit port individually configurable as input or output

▸ Easily connects to industry standard solid-state relay racks with 50-pin connectors, using optional CA237 cables

▸ Status indicator LEDs for Communication, Fault, and Power

▸ Input power via terminal block or modular connector

▸ DIN rail or table mount

▸ Sealevel software supports Windows 2000/XP/Vista operating systems