

## eHVIO

### rs485HVIO

#### HVIO Product Series

[RPA](#) is proud to announce an exciting new addition to our application specific family of products - the eHVIO module. For more information on this or any of our products please visit our website or contact us (607) 771-0393.



## Overview

The eHVIO board features the Renesas high performance and highly integrated RX62N MCU and includes 96 channels of smart High Voltage I/O (HVIO). Each channel can sink up to 2A of current at voltages up to 36VDC. This board is ideally suited for tripping breakers in simulator systems or any high powered I/O device, such as relays and incandescent lamps. The eHVIO is also useful for product prototyping and integration into OEM devices where an Ethernet interface and/or PC interface is a requirement. With the flexibility of Ethernet, the eHVIO can be mounted anywhere in a system thereby reducing the size of wiring harnesses. Ethernet provides a industry standard interface to a myriad of computer H/W platforms.

The eHVIO was designed with 'smart' HVIO channels that can report a number of different fault conditions, such as output short, open load and thermal shutdown. This can provide the user with real-time status and management of the system.

## Applications

- Simulation I/O
- Remote monitoring devices
- Web-enabled devices
- Device/data management and control
- Data acquisition
- Product functional testing
- Industrial and commercial products
- HMI

## Ordering Information

Part Number

eHVIO	(call for pricing)
rs485HVIO	(call for pricing)

## Features and Specifications

- 100MHz Renesas RX62N MCU
- 96 channels of High Voltage Input or Output (HVIO)  
9-36VDC (Output)  
Output current up to 2A per channel
- Ethernet communications
- RS-485 communications build option
- Fault detection logic and status
- (4) 25-pin high density D-Sub connectors for the HVIO Channels

Module size	5" x 4.5"
Software	Host PC Ethernet API Example Code Windows and Linux support

RPA Electronic Solutions INC.  
1285 Chenango Street  
Binghamton, NY 13901

Phone	607-771-0393
Fax	607-771-0658
E-Mail	<a href="mailto:sales@rpaelectronics.com">sales@rpaelectronics.com</a>