

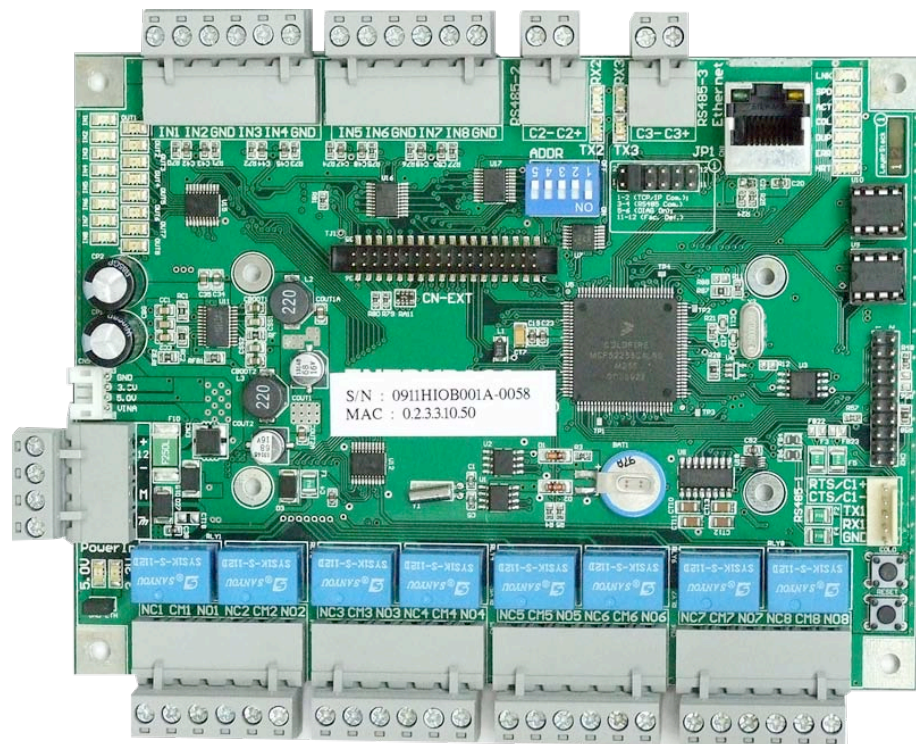
EP.HIO Hybrid Input Output Control Panel

ACTIVE TRANSMIT

Rather than keeping the event data in the memory awaiting for host-PC to poll, HIO actively transmits the current event data to the host server as it happens, meaning events gets delivered and can be act upon faster. (Only when the HIO is polled via TCP/IP protocol)

BUILT IN WEB SERVER

HIO is built-in with web server where network configuration such as IP address, subnet mask, server IP and etc can be easily done upon login. No more factory programming needed as the firmware can be upgraded via the on-board web server.



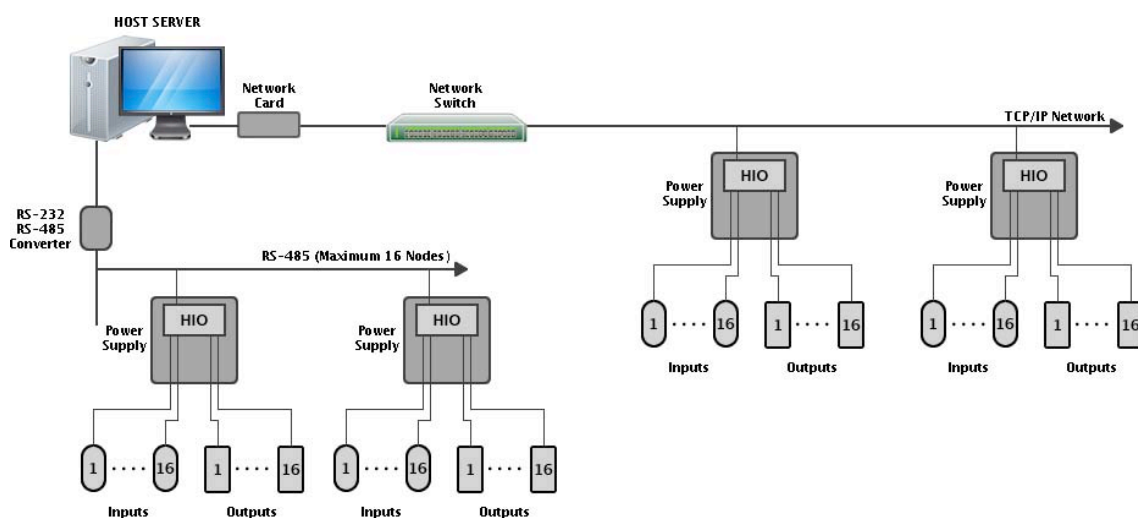
- Support up to maximum of 16 inputs & 16 outputs
- Support dual mode communication (Modbus Serial & Modbus TCP/IP)
- Support both open and close trigger devices
- Support One-To-Many / Many-To-One / Many-To-Many configuration
- Support both toggle and alarm mode monitoring function
- Support various applications (Alarm / Lift)

Ordering Information

EP.HIO.PCB
EP.HIO.PSU
EP.HIO.EXP

Entrypass Hybrid Input Output Control Panel Only
Entrypass Hybrid Input Output Control Panel with power supply unit
Entrypass Hybrid Input Output Control Panel Expansion Board
Additional 8 Inputs / Outputs

Basic System Diagram



Technical Specification	
MCU	32bits @ 60MHz
Memory	<ul style="list-style-type: none"> • 256K Flash Memory • 32K SRAM (Buffer) • 32Mbits Non-Volatile SPI Flash Memory (Storage)
Digital Input	8 - Expandable to 16 with EP.HIO.EXP
Digital Output	8 - Expandable to 16 with EP.HIO.EXP
Serial Communication Port	1 - RS232/RS485 User Configurable
Network Communication Port	1 - RJ-45 Self-Negotiate 10/100mbps
Communication Protocol	<ul style="list-style-type: none"> • Modbus Serial • Modbus TCP/IP
Power Protection	Resettable Fuse - 2.5A
Surge Protection (Comm/DI)	TVS - Up to 15KVA
Onboard LED Control	Power / Communication / LAN / Event
Trigger Mode	<ul style="list-style-type: none"> • Open Trigger • Short Trigger
Function Mode	<ul style="list-style-type: none"> • Toggle Mode • Alarm Mode
Timezone Control	Yes

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