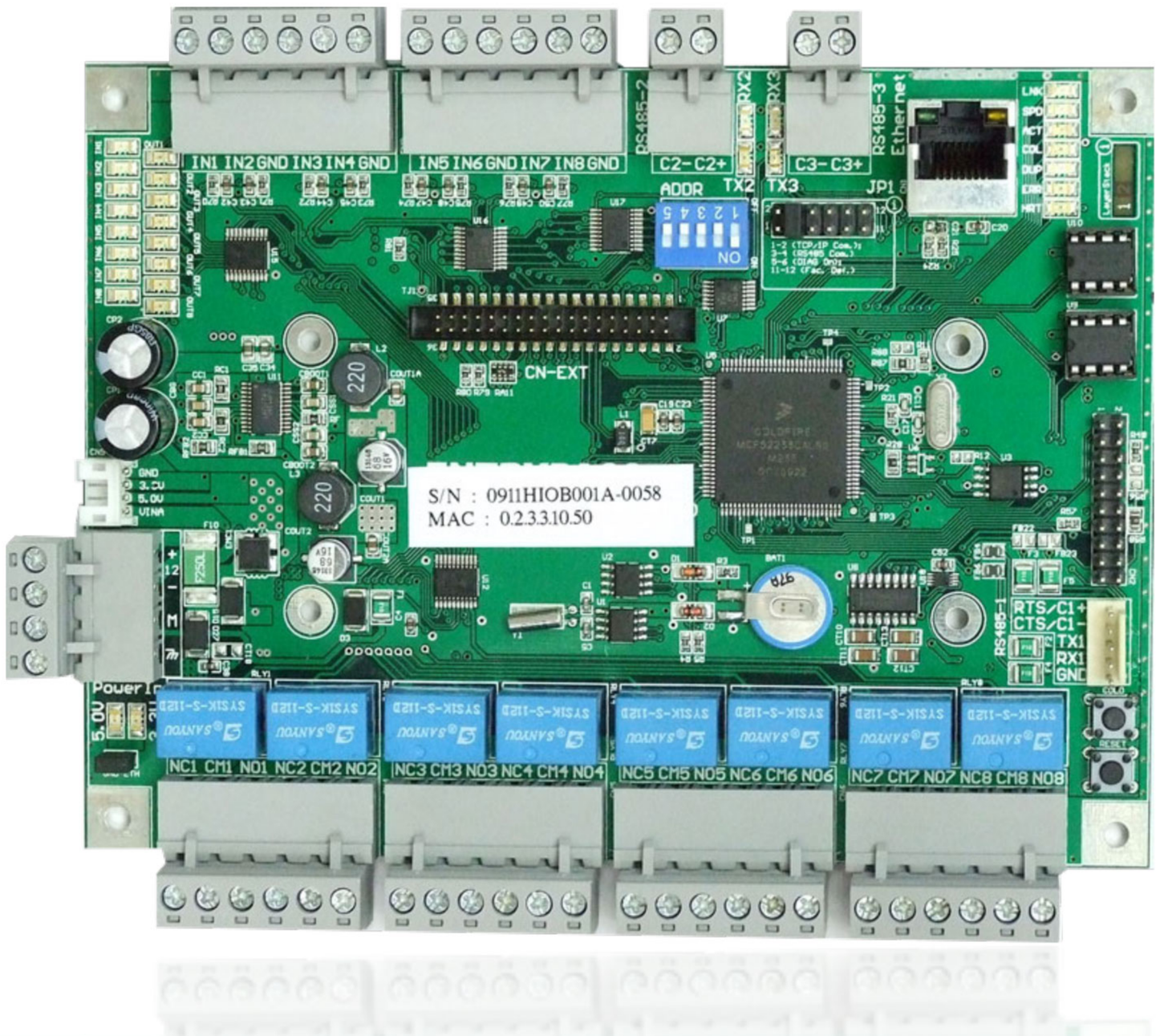
ENTRYPASS

# 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** | Entrypass Hybrid Input Output Control Panel Only |
| **EP.HIO.PSU** | Entrypass Hybrid Input Output Control Panel with power supply unit |
| **EP.HIO.EXP** | Entrypass Hybrid Input Output Control Panel Expansion Board<br>Additional 8 Inputs / Outputs |

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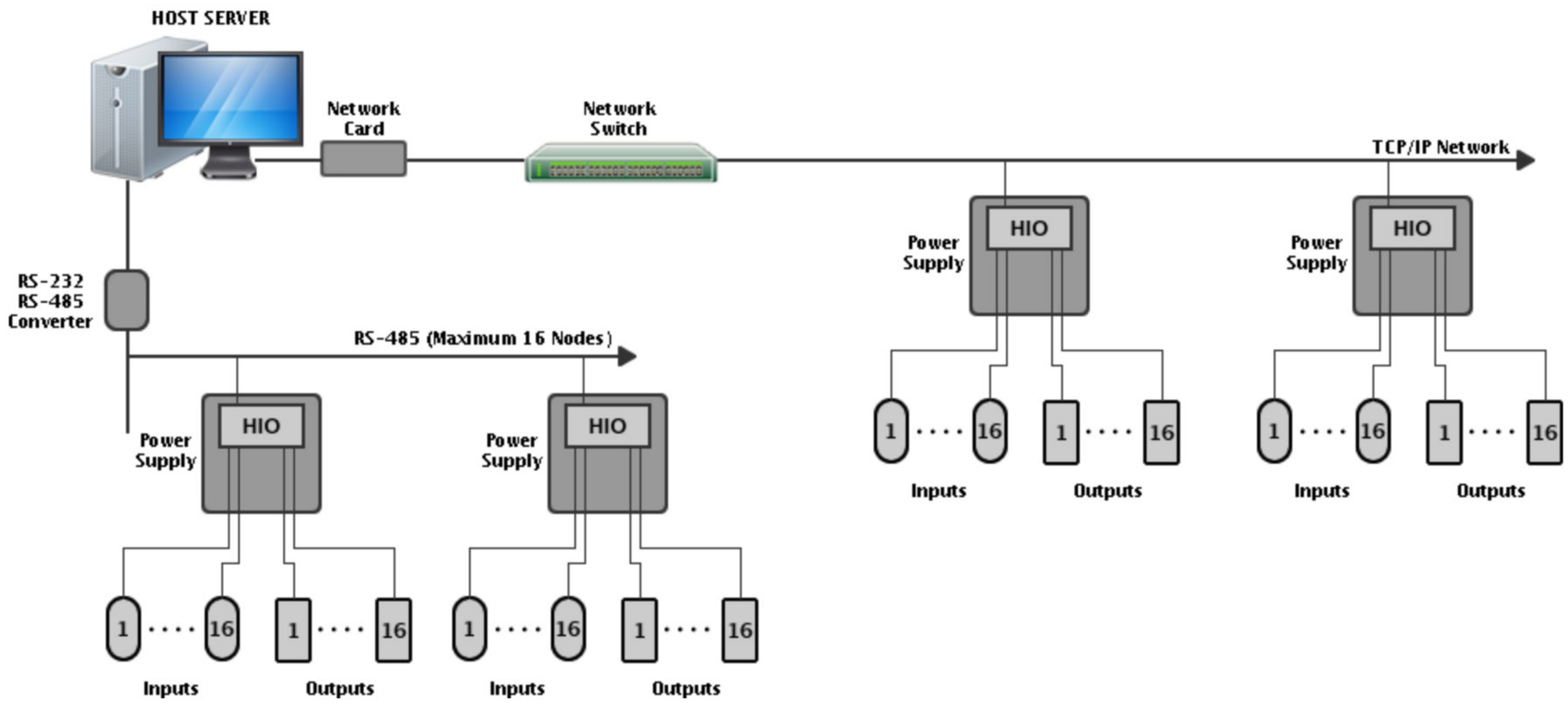
# Basic System Diagram




| Technical Specification | |
|---|---|
| MCU | 32bits @ 60MHz |
| Memory | • 256K Flash Memory<br>• 32K SRAM (Buffer)<br>• 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 | • Modbus Serial<br>• 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 | • Open Trigger<br>• Short Trigger |
| Function Mode | • Toggle Mode<br>• Alarm Mode |
| Timezone Control | Yes |


## DCAM TECHNOLOGY (M) SDN BHD

No. 48-1, Jalan PBS 14/3, Kawasan Perindustrian Bukit Serdang,
43300 Seri Kembangan, Selangor Darul Ehsan, Malaysia.
Tel : +603-8948 5707 Email : danny@dcam.com.my
Fax : +603-8948 4121 Website : www.dcam.com.my