

# ETH IO 2.0

## ETH IO 2.0



- The ETH IO - 2.0 unit enables the user to monitor the Analog inputs, Digital inputs, control relay outputs and also the status of the slave units connected to it through MODBUS protocol.
- A single box of ETH IO - 2.0 contains 8 Analog inputs, 8 Digital inputs, 8 potential free relay contacts, a query based response unit on the RS 232 bus and a RS 485 port to connect to the slave units. Up to 6 slave units can be connected through the RS 485 interface.
- Using the LAN (RJ45 Connection), all of the information of the inputs and the status of the different units connected to it , will be sent to the main server.

## Features & Specifications

Serial Config		RS 232	RS 485
Interface	RS 232		RS 485
Baud Rate	2400		9600
Data Bits	8		8
Parity	No Parity		Even
Stop Bits	1		1
Flow Control	None		None
<b>LAN Interface</b>			
Speed	10/100 Mbps		
Protocol	TCP/IP		
<b>Protocols</b>			
MODBUS	For communicating with slave units, connected through		
HTTP	For posting the data using LAN. GSM/GPRS (Optional)		
Telnet	For configuring the unit		
<b>Inputs</b>		<b>Digital Inputs</b>	<b>Analog Inputs</b>
Number of Inputs	8	8	
Input Voltage	5 - 24 V DC	0 - 12 V for input pin 1 - 7. 0	- 100 V for input pin 8
Isolation/Input type	Isolation - 3750 V RMS	Input type	- Single ended
<b>Relay Outputs</b>		<b>Slave Units</b>	
Number of Outputs	8	Maximum number of slaves	- 6
Relay Contacts	Normally close, Normally open and Common	Protocol	- MODBUS through
Contact Rating	1A at 120V AC or !A at 24V DC	Slave ID	- 1 to 254
<b>GSM/GPRS</b>	Optional		
<b>Environmental</b>			
Operating	0 to 55°C		
Storage	-40 to 85°C		
<b>Power</b>		<b>Indicators(LED)</b>	
Input	12 V DC, 1 Amp	Power	- Red
Protection	Fuse and reverse Polarity protection	Connection Establishment	- Yellow
Internal Battery	Optional	Digital Data and Relay status	- Red
<b>Packaging</b>			
Dimensions	206 mm (L) x 156 mm (W) x 41 mm (H)		
Weight	825 g		
Warranty	12 Months for box product		

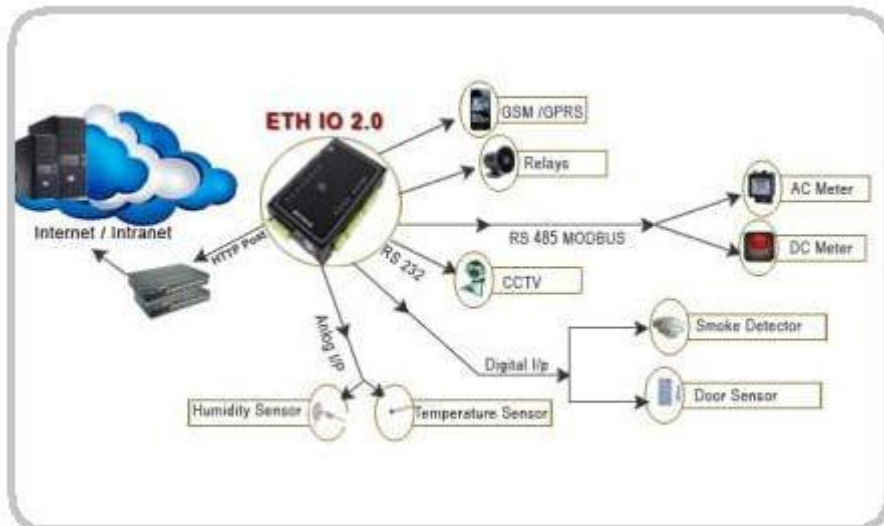
# Applications

## ETH IO 2.0



- Industrial Control & Automation.
- Environment monitoring & control.
- Plant Automation.
- Energy monitoring & management.

## ETH IO 2.0



- Building Management System. (BMS)
- Remote Data Logging.
- ATM Management.
- Mobile Tower Management & many more.

Model Number	Description
ETH IO - 2.0	Ethernet based Input Output Unit - RTU (Remote Terminal Unit)

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