Specifications

Delpheon-IO Module

Processor		Microchip SAM E53 micro-controller, 32-bit ARM Cortex - M4 running at 120MHz
Memory		32 MB Flash, Serial 2KB EEPROM
Software		Protocol Stack: IPv4, DHCP Client Preloaded Free RTOS, LwIP stack Modbus TCP slave (Ethernet) or Modbus RTU slave (RS485) Protocol converter mode-Modbus TCP slave (Ethernet) and Modbus RTU master (RS485) HTTP Web server for configuration and status Software upgrade from web based GUI
Connectivity		Network Interfaces-x10/100 Mbps Ethernet, RJ45 Connector Serial Interface -1xRS485 at 9600/115200/198200 baud with surge protection
Analog Input	Channel	4-Ch Digital Isolation
	Input Range	0-10v (Uni-polar)
	Input impedance	10MΩ
	Resolution	12bit
	Precision	0.2% of FSR
Digital Input	Channel	8-Ch Optically Isolated
	Input Range	0-24V
	Logical High(min)	14V
	Logical Low(max)	5V
	Isolation voltage	1500vrms
Digital Output	Channel	4-Ch Optically isolated
	Output range	OFF-0V, ON-24V
	Output current	20mA
	LED indication	Yes
	Isolation Voltage	1500Vrms
Relay Output	Channel	4-Ch
	Switching Power	60W(Max)
	Switching Voltage / Current	230VAC, 110VDC/2A(Max)
	LED indication	Yes
		Plugin wireless connectivity (soon to be added feature)
Dimensions		200mm x 90mm x 47mm Durable rigid plastic enclosure

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Environmental Specification	Operating temperature: 0 to 70°C
	Storage temperature: -20 to 70°C
Power Input	Dual power source - PoE(Active) or 24V DC-Jack
	Low power consumption ~200ma
Mounting	DIN rail mount and wall mount
	Pluggable type terminal connections
LED	Three status LEDs, Output LEDs