IO HUB

General Purpose Input / Output on SNMP

The IO HUB is our new generation Ethernet HUB GPIO module (GPIO "General Purpose Input / Output") suitable for electrical devices control and monitor over the Internet. It connects a set of 8 SPDT relays, 8 analog inputs and 8 optically isolated digital inputs to Ethernet and make them available through the SNMP protocols. It also provides a dedicated input for temperature probes, a RS485 interface and a built-in real time clock. It can be accessed locally or remotely via web browser for configuration.

The network parameters (IP address, gateway and mask) and other options (e.g. the maintenance mode) can be locally set by means of the built-in display and keyboard allowing an easy installation without the needs of a PC.

Test operations are possible via the local user interface as the current value of all the inputs and outputs is shown on the display.
Moreover, in maintenance mode, the status of each output relay can be manually forced. All the electrical connections are made by plug-in connectors for an easy installation and removal.

FEATURES

- PoE (Power over Ethernet) power supply
- Communication SNMP and HTTP
- NMS connectivity (SNMP MIB)
- SNMP Trap alarms with programmable thresholds and polarity
- Setup through WEB page and SNMP
- Remote software upgrade capability
- LCD, backlight control

TECHNICAL SPECIFICATIONS

INPUTS/ OUTPUTS

- **Analog Input** n°8 0-50 Vdc in four selectable ranges, resolution 12 bit
- **Digital Input** n°8 Optically isolated. Activated by voltage (5-24 Vdc) or dry contact
- **Relays Output** n°8 SPDT, 1A/30 Vdc

BUILT-IN TEMPERATURE SENSOR

- **Temperature probe** n°1 1-wire probe (DS18B20)
- **Range** -40 / +120°C
- **Accuracy** ±0.5 °C (-10 / +85 °C range)
- **Resolution** 0.01 °C

CONNECTIONS

- **Ethernet/POE** RJ45
- **RS485** Available for custom applications

POWER SUPPLY

- **PoE** PoE 802.3af (class 0)
- **Auxiliary** 12-24 Vdc, 500 mA

PHYSICAL

- **DIN rail mounting** 9 modules (EN 60715)
- **Dimensions** W 90.0; H 159.5; D 60.0 (mm)
- **Enclosure material** PPO (Grey RAL 7035)
- **IP rated** IP40 front panel, IP20 body (conforming to IEC 60529)
- **Relative humidity** 0 - 95 % (non-condensing)
- **Operating temp.** - 10 °C to + 55 °C

ORDERING CODES

IO-HUB24 GPIO HUB with 8 Analog IN, 8 Digital IN, 8 RELAYS OUT, 1T