smart device for smart solutions !

Monitoring System captemp®

Monitoring and remote control

Ethernet – WIFI - GPRS

NIDUS-mini is an expansion platform for Rabbit MiniCore modules, series 6000.

Its main feature, consists in monitoring a wide variety of sensors and react to pre-defined criteria.

The **NIDUS-mini** platform, was developed with the objective of integrating functions normally available in various devices. The definition of criteria is user-friendly in that it is intuitive and of easy configuration.

Characteristics - Hardware

Option 1 - "NIDUS-mini" with two Serial Ports

- ☑ **2X RS232 / RS485 Module**
- ☑ **Up to 12 external devices (Modbus/RTU)**
- ☑ **Up to 32 external sensors (Modbus/ASCI)**

Option 2 - "NIDUS-mini" with RF 868Mhz module

- ☑ **Up to 50 RF sensors "airO"**

ALL

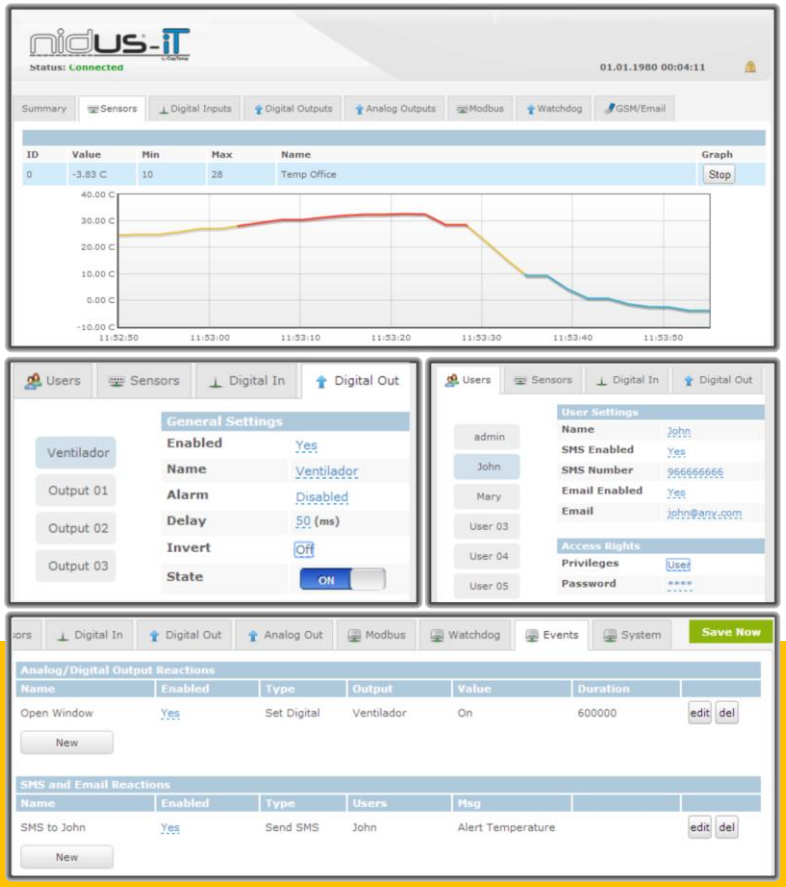
- ☑ **RJ45 Ethernet port**
- ☑ **User-friendly firmware**

Environmental monitoring solution and remote control of In/Out. The device can register data and send all type of alarms.

- Integration of SCADA and CLOUD systems. Various communication protocols available.
- SIMPLE WEB Interface and easy understanding.
- Integration of various external devices via different communication protocols Modbus/RTU, ex: Analyzer/energy counters , water, weather stations, etc. …
- Stores up to 200'000 records. The records may be individually configured.
- Intelligent system of transfer of records

Characteristics - Firmware

- ☑ **Configuration via built-in WEB browser**
- ☑ **User authentication**
- ☑ **Direct and programmed reaction of events**
- ☑ **Remote control of digital outputs**
- ☑ **Communication Modbus/RTU w/ external devices**
- ☑ **Easy integration w/ external systems (XML)**
- ☑ **Thermostatic function**
- ☑ **Verification of state of devices in network (Watchdog)**
- ☑ **Graphic visual in real time**
- ☑ **Individual parameterization of In/Out state (Alarm e records)**
- ☑ **Internal memory of 200'000 records**
- ☑ **Protocols:** TCP/IP, UDP/IP, SNMP, HTML, XML, PUSH/XML, Modbus (RTU and ASCII), SMS and E-mail



APLICATION:

Where exists the need to monitor, register and control various types of sensors such as:

- Agriculture: Greenhouse management, irrigation systems, etc. ..
- Industry: Food, Pharmaceutical, Hospital, etc ..
- Buildings: Security management, HVAC, Energy management, etc ..