Router AirGate-3G

NOVUS Cloud

The **AirGate-3G** is a cellular router for Internet of Things (IoT) applications and provides remote access to local networks. It acts as a Modbus RTU master and reads up to 128 registers of Modbus remote channels. All data generated can be published on **NOVUS Cloud** platform, which allows access anytime and anywhere, besides providing efficient and reliable storage.

Features

- Dual SIM card redundancy for continuous cellular connection, supports 2G/3G
- Modbus Gateway provides routing between Modbus RTU/ ASCII and Modbus TCP networks
- Up to 128 alarms signaling through SMS and e-mail
- Digital Input and output with pulse counting
- Auto reboot via SMS, through identified phone call and by watchdog timer
- Two fully configurable RS232 and RS485 serial interface
- Dual port ethernet interface 10/100 Mbps (for 2 LANs or 1 LAN + 1 WAN)
- **NOVUS Cloud** service connectivity for data storage and browsing
- USB 2.0 host port allows local firmware update and configuration
- Temporary local data recording ensure data integrity even during long connection lost events. Storage on USB flash drive, local memory or MicroSD card

- NOVUSLink: M2M centralized management platform for remote monitoring, configuration and firmware updates
- Flexibility both on monitoring and set up methods: Web, CLI, SNMP v1/v2/v3, SMS, NOVUSLink
- Firmware update via Web, CLI, USB, SMS, NOVUSLink
- Opening VPN tunnel possibility for full safety during remote access
- Metal enclosure with DIN 35 mm mounting kit
- ANATEL, CE and FCC certified
- Dimensions: 45 x 125 x 105 mm
- Operating temperature: -40 to 85°C / 5 to 95% RH
- Power supply: 9 to 60 Vcc
  OPTIONAL:
- GPS for real time location and tracking
- Articulating antenna

Application Topology

NOVUS Cloud

XL Family
All-In-One Controller

RHT-Air
Temperature and RH
Wirelles Transmitter

AirGate-Modbus
Gateway

N1100
Universal
Controller

AirGate-3G
Router

Ethernet

FieldLogger
Acquisition and
Data Recording

NOVUS
We Measure, We Control, We Record