

NOVUS
CLOUD IoT



AirGate-3G

Connectivity
any place,
any time.

NOVUS

We Measure, We Control, We Record

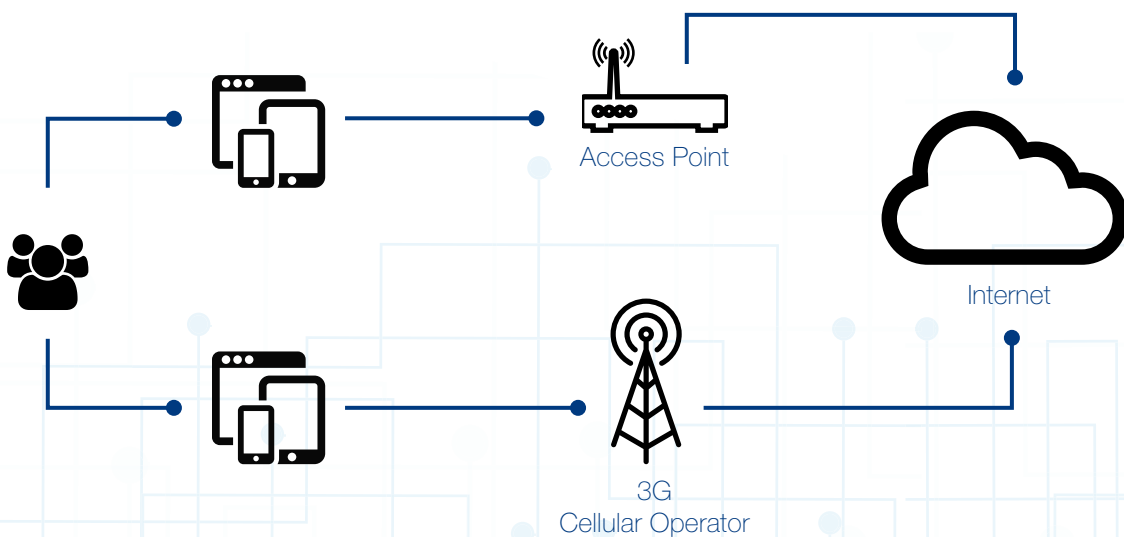
CONNE

AirGate-3G NOVUS



3G Cellular router

The **AirGate-3G** is a 3G cellular router for Internet of Things (IoT) applications that provides remote access to local networks. The AirGate-3G can act as the master of a Modbus network, it can store data locally in up to 128 remote channels (registers) and can provide precise localization via GPS. This data can be sent to **NOVUS Cloud**, allowing it to be accessed at any time, from any place.



ACTIVITY

NOVUS Cloud
gives you freedom
of connectivity.



Provides **GPS location** in real time for tracking applications.



Ability to **store data locally** in case of communication failures.



Dual SIM Card for redundant cellular connection without interruption. Supports 2G/3G.



Operates in conjunction with **NOVUS Cloud** data platform, a platform that is secure, saleable and completely customizable.



3G
Cellular Operator



Simple and Functional
in the way that you need.



AirGate-3G

Main Features

- Dual SIM Card for redundant cellular connection without interruption. Supports 2G/3G
- Modbus Gateway: permits the routing of packets for Modbus RTU/ASCII and Modbus TCP Networks.
- Creation of up to 128 alarms via SMS and e-mail
- Integrated real time clock
- Digital inputs and Outputs (I/O), with signal counter
- Automatic initialization through SMS command, pre-programmed timer or authorized telephone call.
- Serial Interface: RS485 and RS232 totally configurable
- Dual Port 10/100 Mbps Ethernet Interface (2 LANs or 1 LAN + 1 WAN)
- Ability to be connected to **NOVUS Cloud** storage service
- Features a USB 2.0 port for firmware and configuration updates.
- Provides remote connection for automation devices (PLCs, IHMs, etc) enabling monitoring and configuration of these devices, including the upload and download of programming software.
- Network Protocols: PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, DMZ, RIP v1/v2, OSPF, DDNS, VRRP, HTTP, HTTPs, DNS, ARP, QoS, SNTp, Telnet, VLAN, SSH2, IP Passthrough
- Ability to open VPN tunnels (IPSec, OpenVPN, PPTP, L2TP e GRE) for remote access with total security.
- Certificates and approvals: ANATEL, CE and FCC





NOVUS CLOUD IoT

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NOVUS Cloud is a platform focused on solution for the Internet of Things that widens the horizons of data presentation. When applied in conjunction with **NOVUS** products it can be used to receive, store, analyze and present to the internet measurements of temperature, humidity, pressure, location or any other variable of interest. The ability to access physical measurement data via the Internet is especially beneficial for organizations in the areas of manufacturing, logistics, health, building management, power,

water treatment and agriculture. The platform is secure, scalable and features a rapid application design environment usable even for people without programming experience. These cloud applications are completely customizable, with the possibility to create different screens with widgets to exhibit data, configure alarms and events, send notifications via email and configure scripts to process and perform logical programming on the data.

Application Engineering

- Registration and configuration of **NOVUS** equipment **AirGate-3G**, **Field Logger** and **TagTemp-NFC**
- Brand customization and development of differentiated applications
- Configuration and personalization of widgets to graphically visualize data in charts, bars, lists, indicators, reports and maps among others.
- Customizable Dashboard to display important information.
- Data Processing for complex tasks through programming scrips, send alarms and/or notifications via e-mail or SMS.



In addition to the complete solution for connectivity and Cloud-based data storage, **NOVUS** also has an Application Engineering Department, to develop and configure customized applications geared for your business.



Automation solutions in **over 60** countries.

Precision in **Measurement.**
 Excellence in **Control.**
 Reliability in **Recording.**

NOVUS has a complete line of products and services suitable for automation.

Furthermore **NOVUS** has an excellent team of professionals with a broad range of experience in projects and are happy to assist in choosing the best alternatives and products.

- Process Controllers
- Electronic Thermostats
- Pressure Transmitters
- Conditioners & Isolators
- Temperature Transmitter
- Humidity Transmitter
- Calibrators
- Data Loggers
- Data Acquisition
- Software & RTU
- Record & Supervision
- Timers & Counters
- HMI & PLC
- Power Supplies and Inverters
- Solid State Module and SSR