



NBnano



The **NBnano** is a LoRaWAN management system that brings the IoT world into the Automation, Energy Management and Building Management System.

Translate any LoRaWAN sensor into BACnet, ModBus or MQTT.

Product Features

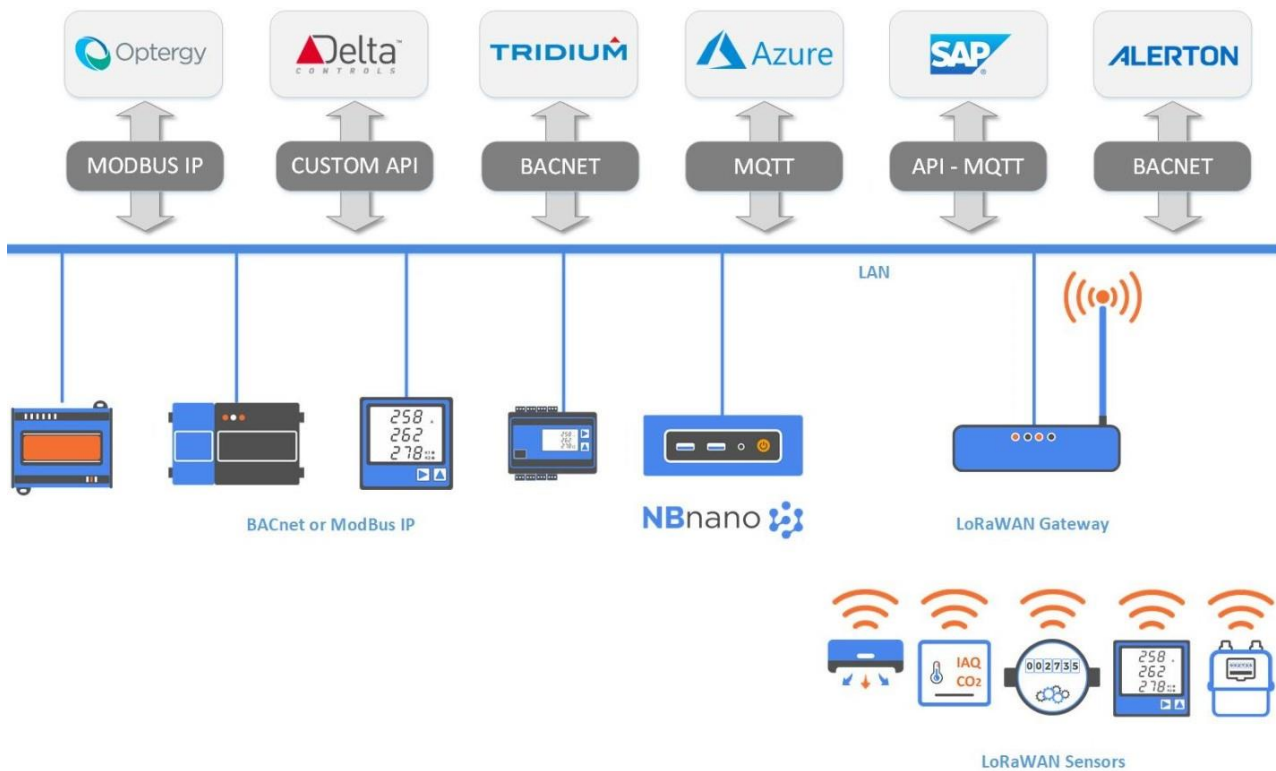
- ModBus, BACnet, MQTT and API interfaces
- Configure alerts & notifications
- Sensor data visualization and exporting
- Local data storage
- Remote access via VPN
- Support for hundreds of LoRaWAN devices
- Integration into most Energy Management and Building Management Systems



Advantages

- Cost effective solution
- Only one NBnano is required per installation
- Flexible deployment of gateways
- Bring data from multiple protocols into a single unified data stream





○ Main Applications

- Building Automation
- Energy Management
- SCADA Systems
- Protocol Conversion



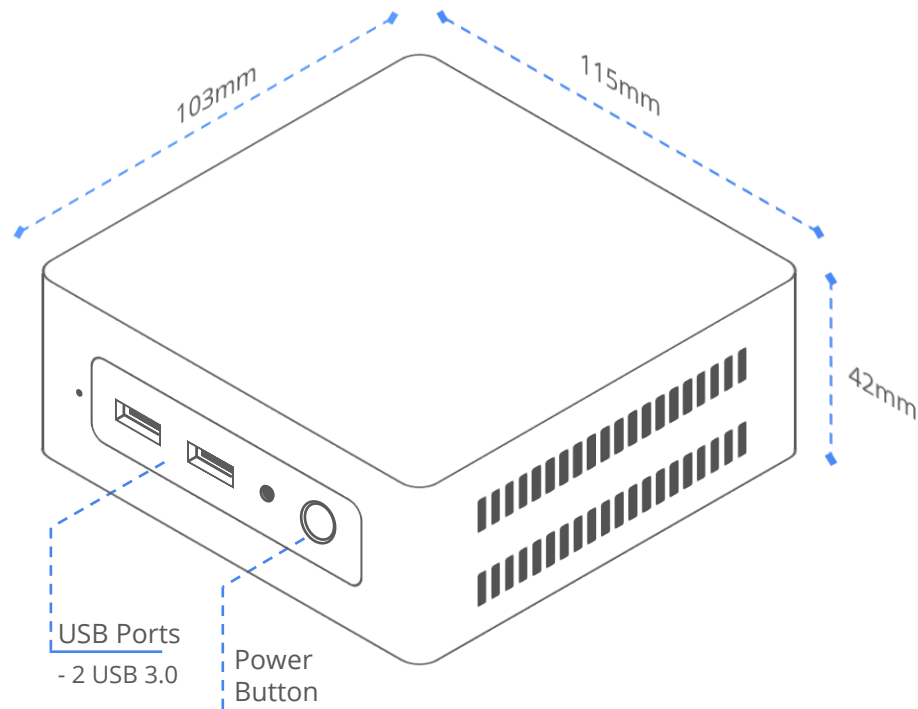
NBnano	Modbus TCP/IP	BACnet	{REST:API}	MQTT
Modbus TCP/IP		✓	✓	✓
Modbus RTU	✓	✓	✓	✓
BACnet	✓		✓	✓
LoRaWAN	✓	✓	✓	✓

○ Specifications

Product Type	NBnano
Product Family	On-premise Platform
Function	Device management and data logging of LoRaWAN sensors. Protocol conversion for BMS, and SCADA systems.
Maximum Number of Devices	50 (expandable to 2,500 with license. See website for details)

Hardware	
Processor	2.90GHz Intel Celeron N5095
RAM	8GB RAM
Storage	128GB SSD
Dimensions (mm)	L 125mm x W 170mm x H 35mm
Weight	280 g
Operating Temperature	-10°C to +60°C
Humidity	5%~90% @30°C - No condensation
Power Supply	Input AC100-240V, Output DC12V-5A/3A
Operating System	Linux Based
Mounting	DIN (optional)

Interfaces	
USB	4x USB 3.0
RS232	Available with Dongle
Ethernet	2x Ethernet
Wifi	1x Adapter



Rear View

