

Nano Gateway

Wireless Access Point , gateway between WSNA and WAN networks.

The Nano Gateway provides transparent communications on TCP-IP between remote client software on the Internet and mobiles sensors on Wireless Sensor and Actuator networks (WSAN).

The nano gateway supports miscellaneous wireless protocols and embeds mesh networking smart features to free the client software of the network knowledge and constraints for bidirectional communications on WSANs.

Nano gateway Wireless features

- Network topology management.
- Mesh networking management.
- RTLS devices management.
- Wireless alarms buffering.
- command script.

Nano gateway TCP-IP features

- File transfer for downloading and uploading network topology.
- Mesh networking, RTLS device motion and wireless alarms notification.

Key advantages

- ✓ Enables to choose sensors on performances, not on wireless capability.
- ✓ Enables design of compound networks including low power sensors and sensors consuming high bandwidth (video).
- ✓ Enables both short and long range applications.
- ✓ Handles wireless networks constraints: relay routes , time out settings, protocol.
- ✓ Enables mobile devices tracking (RTLS mobile tracking over smart metering).
- ✓ Enables command script execution on sensor and branches of the WSAN.

Specifications	
CPU	APS3 Cortus
WAN interface	TCP-IP
Power Supply	5 VDC Power over Ethernet (option)
GTC output	One potential free contact output (Power loss and Firmware Watchdog)
Range	Depending of WSAN modem selection
WSAN interface	Wavenis 868 / 915 / 433Mhz Zigbee 2.4 GHz ZWave (under development)