



## Wavegate™ 300

### Wavenis-Ethernet or GPRS gateway for M2M applications



Since its introduction in 2000, Wavenis wireless technology has been deployed in a wide variety of M2M, remote monitoring and smart metering solutions. It combines flexible wireless mesh networking with ultra-low power consumption and long-range connectivity.

The Wavegate™ 300 gateway provides a seamless interface between small- and medium-sized Wavenis® wireless networks and Ethernet or cellular data networks, allowing users to access remote products easily from their existing software applications.

- Transparent data connections to Wavenis devices in asynchronous mode
- Supports Wavenis to Ethernet or GPRS
- Residential and industrial applications

### Connect directly to remote devices



Wavegate 300 operates in “tunnel” or “serial IP mode”, sends data between an IP network and the Wavenis wireless network.

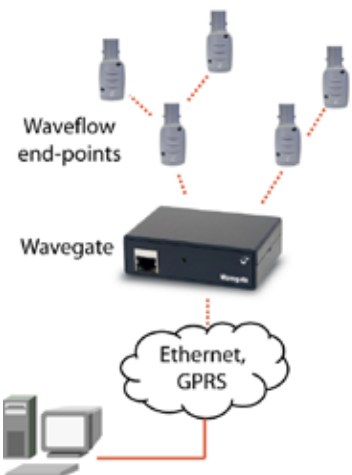
Wavegate 300 enables users to access and monitor remote Wavenis-based devices easily right from the office using existing serial-based applications.

- 2-way end-to-end communication for on-demand read, control and system administration
- Cost-effective solution for small to medium-sized networks
- Tunnel or serial IP mode for transparent access from local applications

### Easy wide area communications

By integrating support for Wavenis and Ethernet or GPRS connectivity, Wavegate 300 gives you an easy way to reach remote networks.

- Wavenis range up to 1 km (25 mW/868 MHz) or 3 km (100 mW/868 MHz)
- Enhanced power saving technology to conserve battery power in field devices
- Includes software setup tools
- Supports asynchronous Wavenis networks



*Access remote devices as easily as if they were local*

## Wavegate 300



### Wavenis ↔ Ethernet or GPRS gateway

- Plug and play installation
- Self-configuration at first power-up (downloads configuration from server, obtains IP address, Wavenis devices, data server address, data format, application oriented parameters, etc.)
- Remote update of configuration and firmware
- Enables full 2-way communications with remote Wavenis devices
- M2M applications transmit Wavenis commands directly
- Automatically forwards critical alerts from the field

### Wavenis/GPRS

- GSM/GPRS (Class 10)
- Output power: Class 4 (2W) @ EGSM900
- Output power: Class 1 (1W) @ GSM1800

### Wavenis wireless connectivity

- Designed for large-scale wireless networks where long range and ultra-low power consumption are critical
- 2-way communications to relay data transmission, automatic alerts and on-demand reading
- Robust against physical and electronic interference
- Cascade up to 3 modules for up to 9 km total range
- Highly optimized for long battery life in the field
- Runs in asynchronous Wavenis networks
- Routing tables stored on gateway

### What's included

Wavegate 300	User documentation
AC power adapter (optional)	Configuration software

### Product information

Wavenis® 868 MHz transceiver <sup>W</sup>	IP51 protection
Range (line of sight)	Size & weight
• Up to 1 km with 25 mW	• Ethernet: 10 x 7 x 3 cm / 120 g
• Up to 3 km with 100 mW	• GPRS: 23 x 8 x 7 cm / 300 g
EN 300-220 compliant	Operating temperature
	-20° to +70°C

### Related Coronis products

All Coronis Wavenis-based products