

pureGATE

Pioneering Wireless Monitoring

The pureGATE is an industrial-grade LoRa gateway designed for long-range communication — up to two kilometers (line of sight). It serves as a reliable bridge between sensors, cloud services, and the app. In addition to its extended range, LoRa technology enables redundancy when multiple Gateways are deployed.

The device is pre-configured at the factory and requires only power to automatically connect to sensors and Wireless cloud services. If needed, further configuration can be done via the pureSignal Wireless app.

The Gateway supports connectivity via 4G, Ethernet, or WiFi, and can be equipped with an external outdoor antenna for optimized performance.

The pureGATE is available in two versions: a standard model and an IP65-rated model designed for harsh environments.



Designed for managing many sensors over large distances

- Handle trend and time-signal measurement using long-range radio communications
- Flexible and scalable radio connectivity
- IP65 rated for harsh environments
- Redundant gateway handling

PUMPS | FANS | ELECTRICAL MOTORS | GEARBOXES | CONVEYERS

pureSignal – a complete system solution for your machine monitoring

pureSignal offers a complete range of products for easy monitoring of your machines, consisting of:

- Gateway, Cloud-Service and App
- Wireless RPM-sensor
- Wireless single point lubricator
- Expert analysis tools
- AI-screening with Multiviz

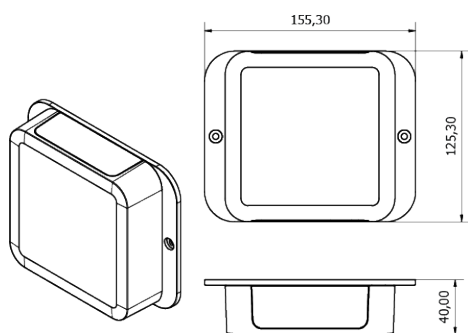
Read more and get started at www.puresignal.se.



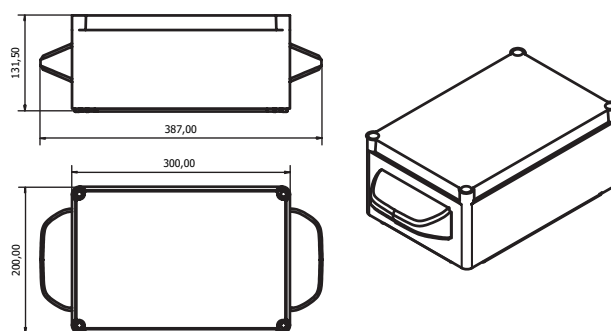
Technical specifications for pureGATE

	pureGATE Core	pureGATE IP
Power supply:	USB-C	240/110 VAC
Range:	Sensor to Gateway - up to 2 km	Sensor to Gateway - up to 2 km
Environmental:	IP21, temperature range 0°C to 85°C	IP65, temperature range -20°C to 85°C
Communication:	868MHz (LoRa) 800/900/1800 MHz (4G) 2.4 GHz (WiFi)	868MHz (LoRa) 800/900/1800 MHz (4G) 2.4 GHz (WiFi)
Integration:	Cloud Restful API	Cloud Restful API
Data Security:	Encryption 128 AES (LoRa) Fixed IP over VPN (4G)	Encryption 128 AES (LoRa) Fixed IP over VPN (4G)
Firmware update:	OTA (Over the Air)	OTA (Over the Air)
No of Sensors:	Up to 50 sensors measuring time signals and/or trend values (velocity, acceleration, temperature, RPM)	Up to 50 sensors measuring time signals and/or trend values (velocity, acceleration, temperature, RPM)
Antenna:	External omnidirectional 433/868/915 LoRa antenna. Inbuilt in 4G and WiFi antenna. *Optional external omnidirectional outdoor antenna	Inbilt Omnidirectional 433/868/915 MHz LoRa antenna. Inbuilt 4G and Wifi antenna. *Optional external omnidirectional outdoor antenna.

Dimensions pureGATE Core



Dimensions pureGATE IP



Download app



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