



piSmart-Gateway Premium



Features

- Innovative module for IoT, tracking, data logging, fleet management and access solutions
- GPS Tracker 2G/3G (location- and time monitoring)
- SIM-Chip data contract (optional)
- LoRaWAN optional
- Bluetooth Low energy (v4.0)
- Lithium-Ionen-battery interface
- Visual and acoustic signal transmitters
- RFID-Reader (13,56MHz)
- UART / LIN / CAN / CANopen interface



Overview

Flexible Gateway for mobile und stationary applications. The device is applicable as data interface, datalogger or as configurable management device for vehicles.

The piSmart-Gateway Premium collect position or operating data and conduct these over available data interfaces to higher-level systems. These systems can be local computer or internet-based cloud solutions.

The device allows the uncomplicated development of innovative sensor networks.

The internet portal www.pironex-server.de enables the configuration, management and monitoring of the devices.

Native Apps for Android and iOS are available for the visualisation of the data.

Details

Basics

Supply voltage	6,5-55V DC / Dynamo voltage 6V
Battery	internal rechargeable supporting battery (Li-Ion)
Cooling	passive and fanless
Antennas	internal or external GSM/GPS antenna (external) LoRa antenna (internal/external) BT antenna (internal/external)
Temperature range	-10 - +60°C
Dimensions	66mm x 47mm x 8mm (T/B/H)
Enclosure	ABS black, IP65

Interfaces

CAN	CAN-Bus
LIN	LIN Master /Slave
Bluetooth	4.2 Bluetooth Low Energy
RFID	RFID-Reader (13,56 MHz)
optional LoRaWAN / proprietary	868 MHz
Mobile module	2G/3G/LTE

Other characteristics

Sensors	3G motion sensor
Memory	FRAM up to 256 kbit
RTC	real-time clock
IO-interfaces	3 x inputs / 6 x outputs (open drain)
SIM	customer specific (embedded SIM chip or micro SIM card)
Signals	visual (LEDs) and / or acoustic (buzzer)

Schematic Drawing

