Helios - LoRa Gateway



Helios is the heart of the DeepWave system: it receives data from LoRa and saves them in the database of TSLog 21, the management software that can be validated and compatible with and regulations in the pharmaceutical, healthcare, medical and food sectors. LoRa data loggers they send the data detected by the Smart Sensors or by the internal temperature sensor via radio to Helios which saves them in its memory and manages the alarms. Helios, connected to your network via Ethernet, allows the connection of multiple computers with TSLog 21 to the database.

Helios must be powered from the mains and the power supply is included, as well as the Ethernet cable.



Main features

- Ethernet connection to the local network and the Internet
- External antenna for greater signal range
- Large memory to manage a very large network of nodes and sensors
- Power supply included

The system

The DeepWave system consists of:

- nodes Lo.Ra data logger with Smart Sensor for temperature, humidity, differential pressure, light and brightness
- Helios, LoRa gateway, data receiver connected to Ethernet
- TSLog 21 validation software

Applications

Pharmaceutical

Healthcare

Cosmetics

Validation

Cold Chain

Environment

Food & Beverages

Laboratories

Medical

Warehouses

Industrial

Constructions

Technical specifications

Dimensions	150 x 90 x 90 (mm)
Weight	600 g
Communication	Ethernet, WiFi, Radio
Protocollo Radio	LoRa
Available frequencies	868 MHz, 915 MHz, 920 MHz, 923-2 MHz
Alarms	Email, SMS (Internet connection required)
Data loggers supported	Juno, Venus, Mars, Deimos, Fobos, Moon, Gea, Mercury, Jupiter, Pluto, Neptune, Saturn
Power supply	5 V Micro USB (adapter included)
Software&Mobile App	TSLog 21
Regulation compatibility	CE, ROHS

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