

FIREFLY

The firefly software program is DIGIMONDO's complete solution for professional operation of a LoRaWAN™ network. firefly consists of three components:

Network server

firefly includes a LoRaWAN™-compatible network server for secure, scalable and reliable operation of connected terminal devices.

It also provides an easy way of monitoring and billing objects.

Application server

firefly includes a LoRaWAN™-compatible network server for secure, scalable and reliable operation of connected terminal devices.

The application server offers standardized interfaces via REST, MQTT and CoAP.

Gateway Management

firefly provides all tools necessary for managing, controlling and monitoring the gateways of the LoRaWAN™ network.



LORA™ METER

An electronic electricity meter for household and small business applications. The innovation on the German meter market – developed jointly with specialists and with a one-of-a-kind design. The LoRa™ meter is available as a directly connected three-phase meter and fulfills current EN or IEC standards for electronic electricity meters and the European directives for measuring instruments (MID) and EMC.

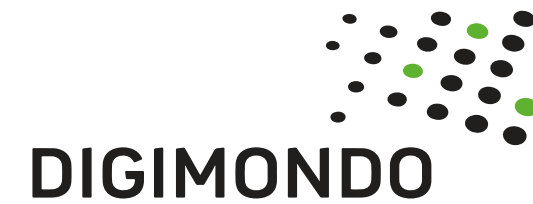
Characteristics

- Line voltage: 3*230 / 400 V
- Current range: 0,25-5(60) A
- Line frequency: 50 Hz
- Approval procedure: in accordance with MID
- Accuracy class: B
- Temperature range: -25°C bis +55°C
- Active energy input, free of charge (1.8.0)
- Weight: 700 g



Communication

- Frequency band: 868 MHz
- Protocol: LoRaWAN™
- Data rate: adaptive



GERMANY'S IOT
NETWORK CARRIER



The Internet of Things (IoT) requires far more communication capacities than are currently available. DIGIMONDO solves this bottleneck issue, creating additional space for connecting billions of objects to the Internet.

LORA™ - LOW POWER, LONG RANGE

We operate a LoRa™ wireless network. LoRa™ stands for Low Power, Long Range. We use this technology to transmit small packets of information via the international LoRaWAN™ standard.

Low energy consumption, minimal communications costs and a long range that extends into basement rooms and underground garages make LoRa™ an energy-efficient IoT solution.

The network is already available in most major German cities and will be rolled out throughout Germany by late 2017.

Our network is an efficient way to bring devices and sensors online.

LoRa™ is a wireless technology from chip manufacturer Semtech that was developed specifically for the Internet of Things. In this technology, LoRa™ combines cost-effective and highly energy-efficient wireless chips with a special modulation process. This gives users the opportunity to make a conscious decision to favor range or data throughput for their specific application.

Many applications in the Internet of Things require only low data throughput and thus can benefit from the higher range and greater robustness of the LoRa™ wireless technology. This means that this technology is not only a means for connecting objects cost-effectively and energy-efficiently – it is a means of doing so in places where a wireless connection with conventional technologies would require a great deal of expense and effort.

Benefits of LoRa™

- Long range
- Robust wireless connection
- High energy efficiency
- Low hardware prices

DIGIMONDO is a Contribution Member in the LoRa™ Alliance and a wholly owned subsidiary of E.ON SE.



OUR PRODUCTS

DIGIMONDO connects products and ideas to the Internet. Towards this end, we offer the following variants: full service with use of the DIGIMONDO network, managed service or licensed software with private network operation – customized, reliable and energy-efficient.

Full Service

DIGIMONDO provides the infrastructure in the form of a Germany-wide LoRaWAN™ network. Terminal devices and sensors with the LoRaWAN standard are online immediately after commissioning.

We guarantee network availability – hassle-free and with an individual support level. We provide the data in customized form via standardized interfaces.

- Germany-wide LoRaWAN™ network
- Annual / monthly fee
- Various support levels
- Network operation by DIGIMONDO (hardware on roofs and radio/TV towers)
- LoRaWAN™ network server „firefly“ hosted by DIGIMONDO

Managed Service

DIGIMONDO provides firefly as Software-as-a-Service (SaaS) for closed LoRaWAN™ customer networks.

- Private network
- Annual fee
- Premium support
- Network operation by private network operator
- LoRaWAN™ network server „firefly“ hosted by DIGIMONDO

Licensed Software

DIGIMONDO provides firefly as licensed software for closed LoRaWAN™ customer networks.

- Private network
- License fee based on number of gateways run
- Premium support
- Network operation by private network operator
- LoRaWAN™ network server „firefly“ operated by customer

Customized solution

As an extra value-added service, DIGIMONDO offers the option of developing a customized solution.

Get in touch now: info@digimondo.de

