



RAYBASED

Gateway

Connectivity at large scale

The Raybased gateway enables wireless monitoring and control across large buildings. One or several gateways extend the reach of the wireless network by connecting it to the building's wired Ethernet. This also allows data and control to pass on to servers and the internet, enabling remote management of the installed system.

From a reliability and resilience perspective, the gateway is not required to function to keep the basic services of the system running. This means that i.e. light and temperature room control will still function if gateway or the building network is not available.



Features

- Communicates concurrently on two separate channels.
- Collects data generated within the system and transfers it to the server.
- Handles Over the air updates of software and configurations.
- Reports on operating conditions and faults for efficient management and maintenance.

Specifications

Standards

- CE approval
- Electrical testing acc to EN 60950-1:
- EN 61000
- ETSI EN 301489
- EN 55016
- ETSI EN 300328

Power / Performance

- Operating voltage: 5V (USB) or 48V nom. (PoE)
- Typical power consumption: 1 W

Communication

- Communicates in the 2,4 GHz band using a high performance, ultra high reliability protocol
- USB for maintenance.

Environment

- Climatic withstand according to EN 50491-2
- Ambient operating temperature: -20 to +55 Centigrade.
- Maximum 90% non-condensing relative humidity.

Connections

- Standard Ethernet modular jack
- Micro USB