

# M9-MQ Box


## Gateway/Controller 902MHz



### Features

The gateway/controller M9-MQ Box is a smart building system control center and IoT gateway for battery-free, encrypted EnOcean wireless systems. The controller enables both stand-alone operation and system networking with IP-based IoT solutions. On the gateway/controller M9-MQ Box the tamper-proof IoT software BSC-Pro is installed, configuration and control is done via app (IOS, Android), PC client or web client.

### Technical Specifications

Radio Interface: ..... EnOcean 3.0 certified, 902 MHz  
Supported Profiles: ..... EnOcean EEP v3.1, EnOcean Security v2.6  
Antenna: ..... external, SMA Connector   
Connectivity: ..... LAN 10/100Mbit Ethernet, WLAN 802.11 b/g/n 2.4GHz  
Interfaces: ..... MQTT, REST  
CPU, Memory: ..... Quad-Core ARM® Cortex® A53, 2GB DDR3 RAM + 16GB eMMC  
Peripheral Interfaces: ..... USB  
Power Supply: ..... ext. Power Supply 100-240VAC, 12VDC  
Power Consumption: ..... max. 6W at 12VDC  
Dimensions (LxWxH), Weight: ..... 97x72x23mm (with mounting brackets L: 122mm), 190g

### Delivery Scope

EG122SN-U incl. M9-MQ Box, power supply, antennas for EnOcean and WLAN, short manual

### Accessories (optional)

Ext. EnOcean antenna with 2,5m cable

# IoT Software

## M9-MQ-Pro



The system solution for realizing EnOcean-based automation solutions for sustainable buildings, smart cities and Industrial IoT. Installed on gateway/controller M9-MQ Box.

### Features

Operating system for setting up a networkable, bi-directional and encrypted EnOcean wireless infrastructure

- Support of EnOcean EEP v3.1, encryption according to EnOcean Security v2.6
- Rights management for user accounts
- IP gateway system scaling via EnOcean MQTT
- Extensive export functions with bidirectional access to the configured devices: Web Export, REST API, MQTT Client, Microsoft Azure, Amazon AWS.

### Easy Commissioning

- Plug & Play device pairing for most EnOcean devices
- Web interface for easy commissioning
- Via setup templates it is possible to configure the gateway in advance. Self-created templates can be used to minimize the setup effort per device.

### Comprehensive automation and control functions

- Individually configurable lighting and control scenarios
- Control of heating and cooling devices
- Logic links between devices
- Time-based device control (incl. dynamic sunrise and sunset)

### Safe and user-friendly operating options

- Encrypted remote access from smartphones and desktop systems
- Voice control of devices via Amazon Alexa
- Monitoring and alerting capabilities for devices
- Push and email notifications
- Optimized for edge and cloud solutions