


Gateway/Controller BSC-Pro



Features

The gateway/controller BSC-Pro 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 BSC-Pro 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, 868 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 incl. SW BSC-Pro, power supply, antennas for EnOcean and WLAN, short manual

Accessories (optional)

Ext. EnOcean antenna with 2,5m cable FA250
 Item No.: 30000550

Order Information

Gateway/Controller BSC-Pro
 Product: EG122SN
 Item No.: 77246
 EAN: 4260152862468
 Color: black, optional white
 Packaging: Single Box

IoT Software BSC-Pro

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

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