



GATEWAY

ENOCEAN to BACnet IP

EO-BAC-IP

EO-BAC-IP is a bidirectional gateway that collects data from EnOcean wireless elements, stores their values in BACnet objects and sends them via BACnet communication to the control system. In the opposite direction, the gateway receives commands from control system in order to control these elements.

ENOCEAN is a set of technologies that enables the use of wireless and battery-free elements.

BACNET PROTOCOL is simple to implement and widely used in building automation systems.

- bidirectional communication
- open product for different EnOcean elements and manufacturers
- hiding unused data points in the BACnet network
- conversion of RAW data to specific values
- EMC tests for residential building and industrial environments
- simple installation in the suspended ceilings of buildings
- powered by PoE or an external DC/AC power supply
- available in 868 MHz, optional in 902 MHz
- clear administration via web interface
- repeater function
- antenna exchangeable for another type

	wireless
	battery-free
	energy harvesting
	environmentally protective



OPEN COMPATIBILITY

Combine the EnOcean devices according to your needs! Gateway is open with its compatibility to all EnOcean devices.



POWER OVER ETHERNET

Take advantage of location in suspended ceilings of buildings with distributions of mainly ethernet cables and power the gateway via a PoE data cable.



GATEWAY AS A REPEATER

3 modes of repeater are available. Repeater inactive, Level 1 with forwarding only original telegrams and Level 2 with forwarding both original and once repeated telegrams.



TECHNICAL DATA

CATEGORY	PARAMETER	VALUE
Product	Product ID	11.1
Electrical data	Rated supply voltage	24 V DC / 24 V AC
	Supply voltage range	10 - 32 V DC / 24 V AC (± 10 %)
	Rated input current	50 mA
	Rated input power	1.2 W
Ethernet (BACnet IP)	Speed	10, 100 Mbit/s
	Connector	RJ45
	PoE (power over ethernet)	Yes (pins 4, 5, 7, 8)
EnOcean	Frequency	868 MHz, optional 902 MHz
	Maximum number of handled devices	40 (max. 20 with SmartACK)
	Repeater	Yes
USB	Device class	Custom HID or Mass storage
	Connector	Type B
Operating conditions	IP code	IP20
	Operating temperature	-20 °C to +70 °C
	Relative humidity	max. 80 %
Dimensions	Dimensions without antenna	126 x 71 x 25 mm (W x H x D)
Weight	Weight without antenna	115 g
Box material	Plastic	ABS, white



ANTENNA OPTIONS

The strenght and coverage of the signal is appropriately distributed according to the choice of antenna. for common locations, the mounted antenna is adequate.

BLACK ANTENNA ANT-A1-SMA868-MAG2M



External antenna with 2 m long cable and magnetic base.

WHITE ANTENNA ANT-A2-SMA868-MAG1M



External antenna with 1 m long cable and magnetic base.



LED OFF FUNCTION

This function finds its use wherever the LEDs flashing could be disruptive.

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