

Egain Edge Hub

Edge Hub 913

Edge Hub 913 is the 3rd generation of building access point with integrated antennas for GSM and wM-Bus connectivity with cloud-based services.

The Edge Hub output easily connects to any type of heating controller. It serves as a base for continuous control and allowing for optimal energy use and a perfect indoor climate with a minimal amount of energy needed. The Hub receives a unique advanced energy calculations algorithm for the specific property several times per day, always optimized and up to date.

The Hub 913 have an integrated outdoor temperature sensor for fail safe operation and wM-Bus connectivity for a large number of wM-Bus sensors and meters.



FIELD OF USE

Apartment and housing co-operations, older buildings, museums, historical buildings.

- Getting control of your building
- Increasing energy efficiency
- Optimization and remote control of heating systems

MAIN FUNCTIONS

- Collecting data from wM-bus Sensors
- Transmission of energy balance control temperature Teq
- Measurement of outdoor temperature and forecast calibration
- Operates stand alone and connects over the GSM/3G Network
- Supports online live data
- Wide operating range and coverage without repeaters
- Secure operation and plug and play activation via QR code
- Requires no batteries and no external antennas

PERFORMANCE

The Edge Hub uses a high-performance wireless M-Bus receiver module that supports C1, T1 and S1 mode. Long Range and high sensitivity is achieved by using the latest technology in radio transceivers. The performance in an urban environment where there are lots of radio disturbances from mobile phones, is guaranteed using high performance filtering.

MOUNTING

- Mount always on exterior wall, preferred location N or NW
- Can be used with wM-Bus outdoor sensor
- Place Edge Hub unreachable from ground location, approx. 3m a above ground.
- Avoid mounting close to heating/cooling sources for example solar radiation, ventilation outlets, Air conditioning systems etc.

WIRELESS M-BUS

Standards	EN 13757-3/4:2013 OMS 4.0.2
Modes	C, S, and T-mode.
Capacity	250 sensors or meters
Frequency	868.3 AND 868.95 MHz
Sensitivity	-112 dBm S, -109 dBm T/C
Receiver Class	2
Antenna	External

GSM

Sensitivity	-107 dBm
GSM/3G	850/900/1800/1900/2100 MHz
Sim Card	Embedded SIM
Antenna	Internal

GENERAL

Power supply	230VAC 50Hz / 18VDC Adaptor
Energy consumption	Max 0,25W (Annually 2,2kWh / 7,9MJ)
Operating Range	Guaranteed - 40°C ... +125°C
Temperature sensor	- 50°C ... +50°C Accuracy ±0,5°C
Output	Resistance 550ohm ... 9Mohm, 14Bit res Pt1000, Ni1000, Ni1000LG NTC(TAC), Honeywell, NTC 1/2,2/10/20 and many more.

European directives	99/05/EC and 2002/95/EC
RoHS	2011/65/EU
CE approval	EN61000-1-1, EN61000-1-3
EMC	EN55022(B), EN55024
Safety	EN60950-1
Enclosure	IP64 White plastic Contains no Bisphenol-A
Weight	300g
Size (WxDxD)	260 x 85 x 47 mm
Disposal notes	When disposed of, the Edge Hub shall be recycled and not disposed with domestic waste.

