

eBACgw-ws

BACnet WEB-SERVICE SERVER

The successful integration of proprietary systems is one of our goals. Our strategic approach to this challenge consists in design and development of specific interfaces promoting the proprietary world to the level of BACnet automation system. The eBACgw gateways connect the proprietary system to a standard BACnet network.

The gateway is one of the key points in the process of system integration, because it translates the messages from one protocol to another. The process is transparent to the final user, so the integrated BACnet network appears as a single network of BACnet devices only.

Using gateways versus BACnet allows to:

- "look at" the plant under one philosophy
- design upgrades and extensions without restrictions due to the specificity of the proprietary system
- recover existing installations
- give interoperability features to systems otherwise isolated
- open the door to new developments speaking of convergence with the ICT world.

Description

The eBACgw-ws is designed to offer web-service access to a BACnet network according to C ad-dendum of 135-2004 standard. The device allows to gain the access to the BACnet network to the very common applications compatible with SOAP technology, the most adopted technology of distributed computing.

Functionality

- automatic set-up
- data collecting
- data manipulation
- network browsing
- BBMD support
- WEB interface



Application

The eBACgw-ws allows direct integration of BACnet networks into building management systems supporting web-service technology. This technology is platform-independent and is supported by the major used office automation software and is compatible with all the most diffused programming languages even those that are web-oriented (PHP, Javascript, Java). This permit to develop, in a very simple way, user application or dynamic WEB pages that interact with the BACnet network, without taking care of the protocol implementation details. In the same way it is possible to develop spread-sheet or database that collect realtime data directly from the network.

The web-service interface is based on the most common internet protocol (HTTP) and so it can be easily used to connect remote application even through firewalls and proxy-servers.

How to order

You can order ESAC BACnet web-service server referring to the following product code:

eBACgw-ws



Specifications

Device profile

- gateway

Power supply

- 5 V DC
- 110/220V PSU included

Tecnology

- 32 bit CPU

Wiring

- power supply
- Ethernet 10/100
- RS232/RS485

Indication

- power supply
- ethernet activity

Services

- getValue
- getValues
- getArray
- setValue

Environment

- Temperature: 0...+45 °C
- Relative humidity: 10...90% (non condensing)

Metrics

- 137 x 47.5 x 95.4 mm (WxHxP)
- mounting brackets are included
- optional DIN rail bracket

Weight

- 500 g

Approvals

- CE