Sona BMS

Automation Server · building automation and multi-point projects

Sona BMS is an automation server for building automation and multi-point projects. It brings different field systems together on one platform; logic, schedules, visualization and data logging all run on the server. It occupies 3 DIN modules in the panel and runs without an internet connection. There is no defined limit on the number of points; up to 10,000 data points is recommended.

PROCESSING CAPACITY

Processor	High-speed
Data points	No defined limit; up to 10,000 data points recommended

PHYSICAL INTERFACES

KNX/TP	1
Ethernet (RJ45)	1
RS-485	1
RS-485 / RS-232	1 (switchable in software)
USB 2.0	1

POWER

Power supply	24 V DC (terminals)
Power consumption	1 W (minimum, no external load)

CONNECTIONS

KNX bus	Bus connection terminal, 0.8 mm²
Power and I/O ports	Screw terminals, 0.8 – 1.5 mm²

INDICATORS

LED 1	Green: system load
LED 2	Green: normal operation · red: reset

ENCLOSURE AND MOUNTING

Mounting	DIN rail
DIN module width	3 modules
Dimensions (W × H × D)	54 × 112 × 61 mm
IP degree of protection	IP20
Net weight	108 g

STANDARDS COMPLIANCE

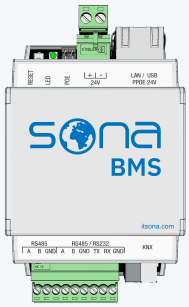
EMC	EN61000-6-1 · EN61000-6-3

ENVIRONMENT

Operating temperature	0 °C ... +45 °C
Storage temperature	−15 °C ... +55 °C
Relative humidity	0% ... 93% (non-condensing)

COMMERCIAL

Warranty	2 years



- **Seamless integration**
  Interconnects KNX, Modbus, BACnet, MQTT and other automation protocols.
- **Low-power and scalable**
  Optimized for low energy use. Ideal for residential, commercial and industrial deployments.
- **Third-party services and voice control**
  Compatible with Amazon Echo, Apple HomeKit, Google Home and other third-party services.
- **Web interface**
  Modern visualization on PCs and touch devices with real-time control and monitoring.
- **App store and extensibility**
  Install prebuilt applications or create your own for specific use cases.
- **Logic built with visual tools**
  Logic, schedules and scenes are built with visual tools; when needed you write your own logic.
- **Remote KNX bus access**
  The whole system is managed remotely; KNX device programming needs no site visit.
- **Privacy-oriented**
  Fully operational without internet access; no telemetry or user data collection.
- **Many languages**
  The interface is used in many languages, including right-to-left scripts.

USE CASES

Residential · Hotel · Office and commercial · Retrofit

Directly connected protocols:
KNX · BACnet · Modbus · MQTT · SNMP · HTTP/REST · DMX512
Through a gateway: **DALI · Zigbee · Z-Wave · M-Bus · EnOcean**