



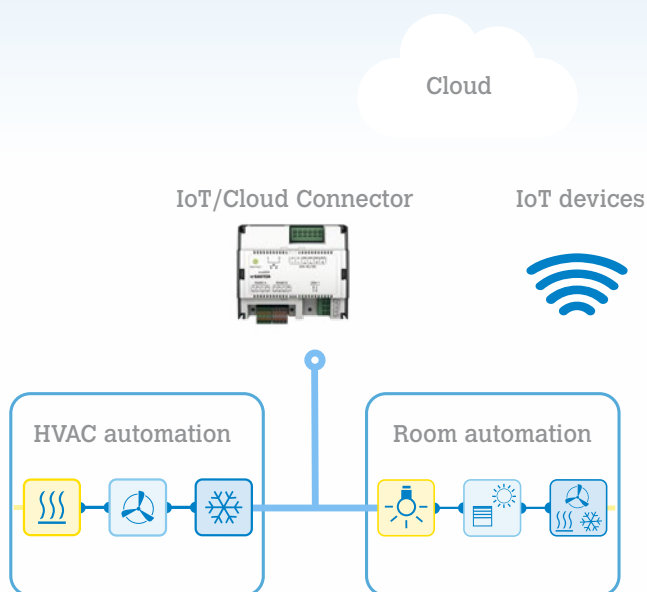
SAUTER ecos-IoT

The “BACnet MQTT Edge Controller” for intelligent buildings

SAUTER ecos-IoT is a new milestone in the automation of buildings: The controller is a programmable BACnet server with an integrated BACnet/MQTT gateway.

On the one hand, BACnet devices in the operating technology network can publish data to the cloud via the ecos-IoT, or MQTT data from the cloud can be subscribed to. This allows information and data from a public cloud (for example, meteorological services) to be integrated into the building and room automation.

On the other hand, the ecos-IoT enables efficient data exchange between different building automation devices via BACnet. In combination with an MQTT app on a smartphone, the room automation can be operated intuitively with state-of-the-art technology.



- Remote control and monitoring of the building and room automation
- Integration of intelligent sensors into the room automation network
- Voice control of lighting, temperature, ventilation etc. via Google Home or Amazon Alexa
- Subscription to data and services from the cloud, for example meteorological data
- Publication of building automation data for performance analysis to the cloud

Application examples

Product specifications

	<p>ecos504-IoT</p>	<p>EY-RC504F202</p>	<p>BACnet MQTT gateway (MQTT client and broker)</p>
	<p>ecos-IoT Licence for ecos504/505</p>	<p>YY-FX502F001 YY-FX502F002</p>	<p>MQTT client MQTT client and broker</p>

General features

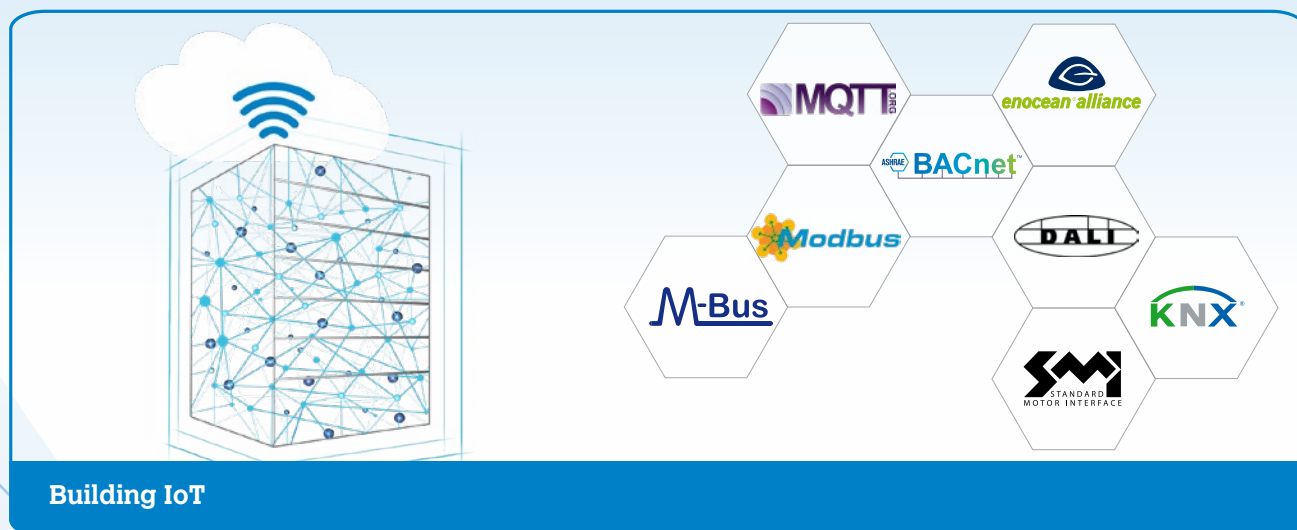
- Part of the SAUTER modulo system family
- Two integrated interfaces RS485/SLC bus for room operating devices, I/O modules, EnOcean wireless interface
- Up to three additional communication interfaces
- Integrated Ethernet 2-port switch for daisy chain cable
- Programmable with SAUTER CASE Suite
- Power supply: 24 V AC/DC
- DIN rail housing: 6 horizontal pitches (ecos504), 12 horizontal pitches (ecos505)

BACnet properties

- BACnet/IP Building Controller, B-BC profile
- 600 data points, 32 loops, 32 schedules, 16 calendars
- 16 Notification Classes, 1500 active COV subscriptions
- 256 Trend Log objects with up to 60,000 entries

MQTT properties

- MQTT Client (MQTT Publisher, MQTT Subscriber)
- MQTT standard V3.1.1/V5
- Configuration via on-board web server
- Encryption via TLS 1.2
- Authentication by user name and password
- Optional integrated, efficient MQTT broker for up to 600 topics
- Automatically generated MQTT topics of BACnet I/O/V objects
- Configuration of alias-topics
- Optimised for use with SAUTER Vision Center



Building IoT



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- Systems
- Components
- Services
- Facility Services

