

Wireless and IoT



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Wireless and IoT

Wireless and IoT solutions encompass systems and products designed to introduce IoT technology into any building environment. Enhancing efficiency, connectivity, room comfort and intelligence of your site.

IoT Enabler products and gateways allow easy and fast integration into automation and building management systems with intuitive user interfaces and based on standardized technologies.

Wireless communication saves time and effort during installation and helps you to achieve more with less.

Wireless and IoT solutions offer scalability and flexibility adapting to building size, structure and usage patterns. You can easily customize your system to suite your building's specific requirements without being constrained by physical boundaries.

IoT solutions help to gain transparency on your building to maximize building efficiency.

Cybersecurity is assured by secure encrypted communication and automated distribution of over the air updates.

Siemens offers a range of IoT solutions, ready to be tailored to your specific needs. Explore our comprehensive range of systems and devices showcased in the following pages.

Highlights

- Plug & play installation
 - Based on wireless protocols such as KNX IoT via Thread and LoRaWAN
 - Save cost & time in retrofit and new installations
 - Secure communication
 - Easy integration into automation systems
 - Compatible with Siemens and 3rd party systems
-

Wireless room solution

Wireless room solution is an easy to install and scalable system for commercial buildings. It allows you to collect building data and integrate it into your automation system, BMS, cloud or 3rd party system.

The product portfolio is based on KNX IoT & Thread technology, which enables you to build up secure and reliable wireless networks.

Smooth connectivity, flexible integration.

Wireless devices and IoT Gateways enable you to integrate your building areas smoothly into BACnet IP systems.

You can easily scale and change the location of your system depending on the use of your space.

Wireless room solution can be implemented in any commercial building. From small to large size, existing or new, fitting different building types (e.g. offices, education, hospitality).

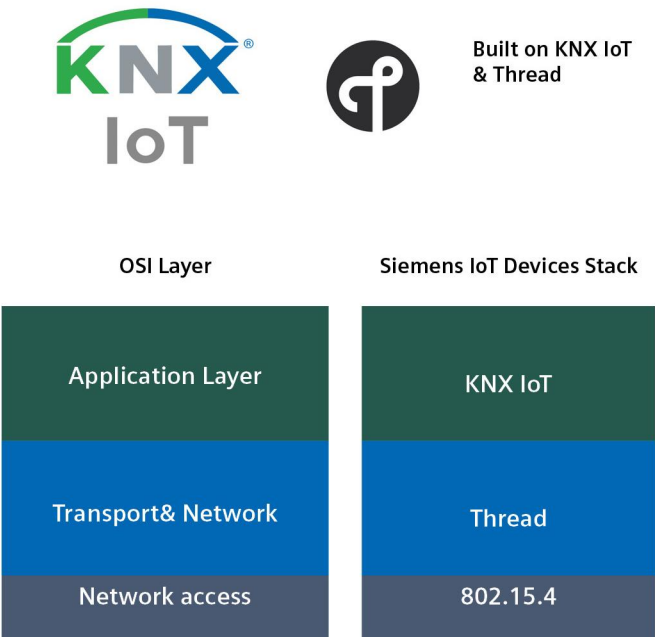
[siemens.com/wireless-room-solution](https://www.siemens.com/wireless-room-solution)

Highlights

- KNX IoT via Thread wireless technology for fast and secure communication
- 3 room sensor variants
- Wireless radiator actuator with intelligent valve control algorithm
- Wireless room unit for temperature control
- Easy installation without wiring and construction works
- Easy integration via KNX IoT to BACnet IP gateway



KNX IoT & Thread



KNX IoT

KNX IoT adopts the semantics and device models from KNX but has been designed for modern IPv6 based IoT/IT communication (e.g., via Thread, WLAN, Ethernet). Thus, it offers the advantages of both worlds: the application know-how & interoperability of the KNX standard, as well as the advantages of modern IP based communication such as security & native IT integration.

Thread

Thread is an open standard for wireless communication providing an IPv6 based solution for reliable, low-power, secure, device-to-device and application layer agnostic communication. It is specifically designed for communication of IoT devices in buildings.

All information at a glance – product features



Features

- Wireless communication via KNX IoT over Thread
 - Super slim new design (14 / 18 mm)
 - Easy mounting (wall, flush, tape mount)
 - Measurement accuracy up to ± 0.3 °C
 - COV functionality
 - Up to 10 years battery lifetime*
 - OEM color and labeling option available
- Wireless communication via KNX IoT over Thread
 - Extends Thread Mesh Network as Thread Router
 - Compatible with all Siemens KNX IoT over Thread devices
 - Easy mounting (wall, ceiling)
 - Mains power supply via USB-C
 - International power adapter included in packaging
- Wireless communication via KNX IoT over Thread
 - Conversion of KNX IoT to BACnet IP
 - Easy installation & commissioning of KNX IoT devices and BACnet endpoints via integrated Web-UI
 - Compatible with all Siemens KNX IoT Thread devices
 - Easy mounting (wall, ceiling)
 - Mains power supply via DC-jack
 - International power adapter included in packaging



Features

- Wireless communication via KNX IoT over Thread
 - Intelligent valve control algorithm incl. open window detection
 - Integrated temperature sensor
 - LED touch-display
 - Up to 2 years battery lifetime
- Wireless communication via KNX IoT over Thread
 - LED touch-display
 - Temperature setpoint operation
 - Integrated temperature sensor
 - Easy mounting (wall, flush, tape mount)
 - COV functionality
 - Up to 4 years battery lifetime
 - OEM color and labeling option available

Selection and order data

Product	Variant	Product No.	Stock No.
Wireless room sensor	Temperature (T)	QAA2890/WI	S55720-S550
	Temperature, Rel. Humidity (T, r.H.)	QFA2890/WI	S55720-S551
	Temperature, Rel. Humidity, CO ₂ (T, r.H., CO ₂)	QPA2892/WI	S55720-S552
Wireless radiator actuator		SSA911.02TH	S55151-A102
Wireless room unit		QMA230KT	S55720-S626
KNX IoT to BACnet IP gateway		OCT200.KNBA	S55812-Y102
Thread mesh extender		OCT100.R	S55812-Y101
Thread Border Router		OCT110.BR	S55812-Y103

* up to 7 years for T, r.H, CO₂ variant

Connect Box

Connect Box enables you to manage small to medium-sized buildings in a smarter and simpler way. In a few clicks, it offers an IoT building management solution for your essential needs and connects all your devices, as well as enabling integration into your existing building automation system, building management system (BMS) or cloud application.

Simple, open and comprehensive IoT solution

Connect Box allows you to install and operate in a few clicks. Without engineering skills, you can install Connect Box and start to operate your building in just a few hours.

With Connect Box you can integrate your IoT and building devices. Connect all devices in your building, wired and IoT leveraging multiple industry standard protocols like LoRaWAN, BACnet, Modbus and many more.

Benefit from one interface for all your needs. Operate the essentials on your building with Connect Box. You can manage your simple daily tasks in one, cloud-based interface with no additional gateway or software.

[siemens.com/connectbox](https://www.siemens.com/connectbox)

Highlights

- Quick and easy installation
- Library of over 500 field devices ready to connect (Siemens and 3rd party)
- Smart protocol gateway supports 11 communication protocols
- Intuitive web interface on desktop and smartphone
- Over-the-air updates
- Remote engineering, trend graphical view, alarms notification
- Integrated 4G SIM card & data plan for secure and configurable network access
- API management and documentation



All information at a glance – product features

With a single hardware, you can pick the right functionality for your needs with remotely deployed licenses.

Cloud license: The Cloud license allows you to remotely connect, monitor and operate the essentials of your small to medium-sized building. It entails an intuitive web interface with building management system essentials: monitoring, alarms notification and trend graphical view. Powerful integration with 3rd-party applications and API management is provided.

On-premise license: the On-premise license enables you to easily integrate your wired and IoT devices into your existing building automation system, BMS or cloud. For this license, the provided web interface allows remotely configurable on-site integration.

For more information visit the Product and Service Data Sheet (PSDS)

<https://sid.siemens.com/v/u/A6V13605416>

License type	Duration	Datapoint packages
Cloud	1 year 3 years 5 years	100 + optional add-ons 200 + optional add-ons 1.000 + optional add-ons
On-premise	One-time purchase, incl. 3 years remote configuration	100 250 1,000 5,000

Depending on the size of your building site, connectivity system and device protocols, different licenses can be selected:

Cloud license:					
Main features	IoT	Small	Medium	Large	Satellite ¹⁾
Alarms, schematics, graphs	■	■	■	■	■
IoT connectivity	■	■	■	■	■
Wired connectivity		Meters only	■	■	■
Local server: BACnet IP, Modbus TCP, MQTT	■	■	■	■	
Data points included (IN & OUT)	100	100	200	1,000	20
Max. data points via add-ons	200	200	400	10,000	50
Other features					
4G SIM card & data plan	■	■	■	■	■
Configuration wizard	■	■	■	■	■
Multi-site management	■	■	■	■	■
API access	■	■	■	■	■
IN protocols (client)					
LoRaWAN	■	■	■	■	■
BACnet			■	■	■
Modbus		■	■	■	■
M-bus		■	■	■	■
LON			■	■	■
LPB			■	■	■
KNX			■	■	■
Diematic			■	■	■

¹⁾ Only available in combination with a Medium or Large Cloud license. Allows specified functionality on another hardware in the same organization.
The 50 DP add-on is available but limited to 30 additional data points.

Wireless and IoT

Overview and selection tools

On-premise license:					
Main features	IoT	Small	Medium	Large	Satellite
Local server: BACnet IP, Modbus TCP, MQTT	■	■	■	■	■
IN data points included (OUT points unlimited)	100	100	250	1,000	5,000
Other features					
4G SIM card & data plan (configuration data only)	■	■	■	■	■
Configuration wizard	■	■	■	■	■
Multi-site management	■	■	■	■	■
IN protocols (client)					
LoRaWAN	■		■	■	■
BACnet		■	■	■	■
Modbus		■	■	■	■
M-bus		■	■	■	■
LON		■	■	■	■
LPB		■	■	■	■
KNX		■	■	■	■
Diematic		■	■	■	■

Selection and ordering data

Product No.	Stock No.	Description
CWG.BOX-EU	S55813-Y100	Connect Box Hardware for Europe
CWG.BOX-NA	S55813-Y100	Connect Box Hardware for North America
Cloud subscriptions		
CWG.L1-IOT	P55695-L100-A100	1 Year Cloud License "IoT" for Connect Box
CWG.L1-S	P55695-L100-A110	1 Year Cloud License "Small" for Connect Box
CWG.L1-M	P55695-L100-A120	1 Year Cloud License "Medium" for Connect Box
CWG.L1-L	P55695-L100-A130	1 Year Cloud License "Large" for Connect Box
CWG.L1-SAT	P55695-L100-A140	1 Year Cloud License "Satellite" for Connect Box
CWG.L1-ADD2	P55695-L100-A160	1 Year 50 Datapoint Add-on for "IoT"/"S"/"M" Connect Box
CWG.L1-ADD3	P55695-L100-A170	1 Year 1000 Datapoint Add-on for "L" Connect Box
CWG.L1-ADDC	P55695-L100-A180	1 Year Cloud Control Add-on for Connect Box
CWG.L3-IOT	P55695-L100-A200	3 Year Cloud License "IoT" for Connect Box
CWG.L3-S	P55695-L100-A210	3 Year Cloud License "Small" for Connect Box
CWG.L3-M	P55695-L100-A220	3 Year Cloud License "Medium" for Connect Box
CWG.L3-L	P55695-L100-A230	3 Year Cloud License "Large" for Connect Box
CWG.L3-SAT	P55695-L100-A240	3 Year Cloud License "Satellite" for Connect Box
CWG.L3-ADD2	P55695-L100-A260	3 Year 50 Datapoint Add-on for "IoT"/"S"/"M" Connect Box
CWG.L3-ADD3	P55695-L100-A270	3 Year 1000 Datapoint Add-on for "L" Connect Box
CWG.L5-IOT	P55695-L100-A300	5 Year Cloud License "IoT" for Connect Box
CWG.L5-S	P55695-L100-A310	5 Year Cloud License "Small" for Connect Box
CWG.L5-M	P55695-L100-A320	5 Year Cloud License "Medium" for Connect Box
CWG.L5-L	P55695-L100-A330	5 Year Cloud License "Large" for Connect Box
CWG.L5-SAT	P55695-L100-A340	5 Year Cloud License "Satellite" for Connect Box
CWG.L5-ADD2	P55695-L100-A360	5 Year 50 Datapoint Add-on for "IoT"/"S"/"M" Connect Box
CWG.L5-ADD3	P55695-L100-A370	5 Year 1000 Datapoint Add-on for "L" Connect Box
On-premise licenses		
CWG.L6-IOT	P55695-L100-A400	Connect Box (on-premise) "IoT" License
CWG.L6-S	P55695-L100-A410	Connect Box (on-premise) "Small" License
CWG.L6-M	P55695-L100-A420	Connect Box (on-premise) "Medium" License
CWG.L6-L	P55695-L100-A430	Connect Box (on-premise) "Large" License
CWG.L6-XL	P55695-L100-A440	Connect Box (on-premise) "XLarge" License
CWG.L6-R	P55695-L100-A450	Connect Box (on-premise) remote configuration renewal for 3 Years
CWG.L6-ADD1, upgrade from IoT / S to M	P55695-L100-A460	Connect Box (on-premise) upgrade
CWG.L6-ADD2, upgrade from M to L	P55695-L100-A470	Connect Box (on-premise) upgrade
CWG.L6-ADD3, upgrade from L to XL	P55695-L100-A480	Connect Box (on-premise) upgrade
CWG.L6-ADDC	P55695-L100-A490	Connect Box (on-premise) Control Add-on License
CWG.L6-IOT+	P55695-L100-A405	Connect Box License (on-premise) IoT+

IAQ multi-sensor

The IAQ multi-sensor is an indoor air quality sensor that measures 7 key environmental factors in your building's spaces, offering complete transparency and meeting building regulations (e.g. RESET). The system is based on the LoRaWAN wireless or BACnet technology, enabling you to choose the option that best fits your needs.

Make indoor air quality your priority

The IAQ multi-sensor provides a comprehensive air quality monitoring of your building by tracking: temperature, relative humidity, carbon dioxide, VOCs, PM2.5, light and noise.

Get a simple insight into your room conditions through an easy-to-read LED display showing the «air quality score» of your room and real-time individual values. Click one button to get the details of your environment.

The IAQ multi-sensor can be implemented in different building types, small to large, existing or new, by simply connecting via wireless or wired communication.

Monitor your building environment from remote with trend views and alarms by combining the IAQ multi-sensor with the Connect Box.

[siemens.com/sensors](https://www.siemens.com/sensors)

Highlights

- Measures 5 air and 2 ambient key factors
- Air quality score displays the quality of your room air at a glance
- RESET certified
- Easy mounting (wall, flush, tape)
- Dual beam CO₂ sensing and laser-based PM2.5 detection technology
- Perfect match to the Connect Box for simple remote monitoring solution
- LoRaWAN and BACnet communication



Alle information at a glance – product features

The IAQ multi-sensor comes in 5 connectivity versions depending on your needs: BACnet IP, BACnet MSTP and LoRaWAN (EU, US, AUS).

Depending on your building type, three different mounting options are available: surface mount (no drilling in the wall), dry-wall mount or electrical box mount.

On BACnet IP/MSTP devices, you can access the configuration page via browser using the assigned IP address. On LoRaWAN devices, the configuration page can be accessed via the Connect Box console.

The IAQ multi-sensor presents different power options: USB Type C, Power over Ethernet (PoE) or low-voltage wiring.

Selection and ordering data

Product	Variant	Product No.	Stock No.	Details
BACnet	IP	QNA2700D.BA1	S55720-S572	2 Versions available, due to cables and protocols which are different
	MSTP	QNA2700D.BA2	S55720-S573	
LoRaWan	Europe	QNA2820D.EU	S55720-S574	3 Versions available, due to different LoRaWAN frequencies used in different regions
	US	QNA2820D.US	S55720-S575	
	Australia	QNA2820D.AU	S55720-S576	

Thread mesh extender

OCT100.R



The Thread mesh extender provides IoT connectivity and enables communication via Thread.

- Compatible with all Siemens KNX IoT / Thread devices
- Extends the wireless range by bridging from wireless thread communication to wireless thread communication (also called repeater functionality)
- Reliable network operation with mesh network functionality
- Mains powered by external power supply adapter (AC 100...240 V)
- Clear status indication with integrated LEDs
- Dimensions: 92 x 26 x 77 mm

Operating voltage	AC 90...264 V
Frequency	50/60 Hz
Ambient temperature, operation	0...+40 °C
Ambient temperature, storage	-30...+70 °C
Mounting	Surface mounted (plaster)
Color	White
Dimensions (W x H x D)	92 x 26 x 77 mm
Warranty	24 Months

	Stock no.	Product no.
	S55812-Y101	OCT100.R

Thread Border Router, KNX IoT/Thread & Ethernet

OCT110.BR

The Thread Border Router OCT110.BR provides IoT connectivity and enables communication via Thread and Ethernet.

- Compatible with all Siemens KNX IoT / Thread devices
- Extends the wireless range by bridging wireless Thread to wired Ethernet communication
- Reliable network operation with mesh network capabilities
- Wall or ceiling mount (mounting adapter included in packaging)
- Mains powered by external power supply adapter (AC 100...240V)
- International power supply adapter included in packaging (US, UK, EU, AU/NZ)
- Clear status indication with integrated LEDs
- Dimensions: 76 x 76 x 25 mm / Weight: 63 g

Data sheet	A6V15454242
Operating voltage	DC 5 V
Voltage supply	External power supply adapter
Power consumption	5 W
Operating range	DC 5 V
Communication	2400...2485 MHz
Ambient temperature, operation	0...50 °C
Ambient humidity, operation	5...95 % r.h.
Ambient temperature, storage	-25...+70 °C
Mounting	Wall Ceiling
Degree of protection	IP30
Weight (net)	0.062 kg
Color	White (RAL9016)
Dimensions (W x H x D)	75.8 x 75.8 x 28.5 mm
Warranty	24 Months

	Stock no.	Product no.
	S55812-Y103	OCT110.BR

OCT200.KNBA



KNX IoT to BACnet IP gateway

- KNX IoT to BACnet IP gateway
- Gateway between KNX IoT devices and BACnet IP devices/systems
 - Integrated wireless communication via KNX IoT over Thread
 - BACnet IP communication via integrated Ethernet port
 - Easy commissioning and configuration of KNX IoT devices and BACnet IP communication via integrated Web UI
 - Mains powered by external power supply adapter (AC 100...240V)
 - Clear status indication with integrated LEDs
 - Dimensions: 117 x 117 x 43 mm

Data sheet	A6V13434938
Operating voltage	AC 100...240 V
Voltage supply	External power supply adapter
Frequency	50/60 Hz
Power consumption	Max. 12 W
Ambient temperature, operation	0...50 °C
Ambient humidity, operation	5...95 % r.h.
Ambient temperature, storage	-25...+70 °C
Mounting	Wall Ceiling
Degree of protection	IP30
Weight (net)	0.187 kg
Color	White (RAL9016)
Dimensions (W x H x D)	117.47 x 117.47 x 42.68 mm
Warranty	24 Months

	Stock no.	Product no.
	S55812-Y102	OCT200.KNBA

Wireless room sensor, KNX IoT/Thread, Temperature

QAA2890/WI



Wireless room sensor for temperature

- Wireless communication via KNX IoT over Thread
- Measurement accuracy up to $\pm 0.3\text{ }^{\circ}\text{C}$
- Up to 10 years battery lifetime (under normal operating conditions)
- Dimensions: 88 x 88 x 14 mm

Data sheet	A6V12871702
Operating life of battery	Up to 10 years (under normal operating conditions with 10 minutes wake-up cycle)
Power consumption	Max. 20 mA
Sensing element	Temperature sensor
Measuring range, temperature	0...50 $^{\circ}\text{C}$
Sensing element, temperature	Digital
Time constant	Temperature: ≤ 8.5 min (depending on air movement and thermal coupling to the wall)
Measurement accuracy	Temperature at 21...25 $^{\circ}\text{C}$: ± 0.3 K Temperature at 15...21 $^{\circ}\text{C}$ /25...35 $^{\circ}\text{C}$: ± 0.7 K Temperature at 0...15 $^{\circ}\text{C}$ /35...50 $^{\circ}\text{C}$: ± 1 K
Communication	2400...2483.5 MHz
Indoor wireless range	50 m
Analog outputs	Wireless (WRS)
Display	No display
Color	White (RAL9016)
Degree of protection	IP30
Dimensions (W x H x D)	88 x 88 x 14 mm
Warranty	24 Months

	Stock no.	Product no.
	S55720-S550	QAA2890/WI

QFA2890/WI



Wireless room sensor, KNX IoT/Thread, Temperature & Humidity

Wireless room sensor for temperature & humidity	
• Wireless communication via KNX IoT over Thread • Measurement accuracy up to $\pm 0.3\text{ }^{\circ}\text{C}$ & $\pm 2\text{ }\%$ r.h. • Up to 10 years battery lifetime (under normal operating conditions) • Dimensions: 88 x 88 x 14 mm	
Data sheet	A6V12871702
Operating life of battery	Up to 10 years (under normal operating conditions with 10 minutes wake-up cycle)
Power consumption	Max. 20 mA
Sensing element	Temperature sensor, relative humidity sensor
Measuring range, temperature	0...50 $^{\circ}\text{C}$
Sensing element, temperature	Digital
Time constant	Rel. humidity: 20 s (depending on air flow)
	Temperature: ≤ 8.5 min (depending on air flow and thermal coupling to the wall)
Measurement accuracy	Rel. humidity at 30...70 % r.h.: $\pm 2\text{ }\%$ r.h.
	Rel. humidity at 0...30 % r.h./70...100 % r.h.: $\pm 5\text{ }\%$ r.h.
	Temperature at 21...25 $^{\circ}\text{C}$: $\pm 0.3\text{ K}$
	Temperature at 15...21 $^{\circ}\text{C}$ /25...35 $^{\circ}\text{C}$: $\pm 0.7\text{ K}$
	Temperature at 0...15 $^{\circ}\text{C}$ /35...50 $^{\circ}\text{C}$: $\pm 1\text{ K}$
Communication	2400...2483.5 MHz
Indoor wireless range	50 m
Display	No display
Color	White (RAL9016)
Degree of protection	IP30
Dimensions (W x H x D)	88 x 88 x 14 mm
Warranty	24 Months

	Stock no.	Product no.
	S55720-S551	QFA2890/WI

Wireless room unit, KNX IoT/Thread, Temperature

QMA230KT

Wireless room unit

- Wireless communication via KNX IoT over Thread
- LED touch display
- Temperature setpoint operation
- Integrated temperature sensor
- Easy mounting (wall, flush, tape mount)
- Up to 4 years battery lifetime (2x AA batteries)
- Dimensions: 88 x 88 x 20.5 mm



Data sheet	A6V15004474
Operating voltage	DC 3 V
Operating life of battery	Up to 4 Years
Power consumption	Quiet power: 0.48 mW
Measuring range	0...50 °C 32...122 °F
Sensing element	NTC
Measuring range, temperature	0...50 °C
Sensing element, temperature	NTC
Measurement accuracy	At 25 °C: $\leq \pm 0.5$ K
Setpoint setting range	Relative setpoint: -9.5...+10 K Absolute setpoint: 0...50 °C
Display	LED
Communication	2400...2483.5 MHz
Indoor wireless range	50 m
Mounting location	Wall, flush
Ambient temperature, operation	0...50 °C
Degree of protection	IP30
Dimensions (W x H x D)	88 x 88 x 20.5 mm
Type of fixing	Screws, mounting tape
Weight (net)	0.148 kg (without battery)
Warranty	24 Months

Stock no.

Product no.

S55720-S626

QMA230KT

QPA2892/WI



Wireless room sensor, KNX IoT/Thread, Temperature, Humidity & CO2

Wireless room sensor for temperature, humidity and CO2	
• Wireless communication via KNX IoT over Thread • Measurement accuracy up to $\pm 0.3\text{ }^{\circ}\text{C}$, $\pm 2\text{ }\%$ r.h. & $\pm 50\text{ ppm CO}_2$ • Up to 7 years battery lifetime (under normal operating conditions) • Dimensions: 88 x 88 x 18 mm	
Data sheet	A6V12871702
Operating life of battery	Up to 7 years (under normal operating conditions with 10 minutes wake-up cycle)
Power consumption	Max. 20 mA
Sensing element	Temperature sensor, CO2 sensor, relative humidity sensor
Measuring range, temperature	0...50 $^{\circ}\text{C}$
Sensing element, temperature	Digital
Time constant	Rel. humidity: 20 s (depending on air flow)
	Temperature: $\leq 8.5\text{ min}$ (depending on air flow and thermal coupling to the wall)
	CO2: $\leq 5\text{ min}$ (depending on air flow)
Measuring range	0...2000 ppm CO ₂
Measurement accuracy	Rel. humidity at 30...70 % r.h.: $\pm 2\text{ }\%$ r.h.
	Rel. humidity at 0...30 % r.h./70...100 % r.h.: $\pm 5\text{ }\%$ r.h.
	Temperature at 21...25 $^{\circ}\text{C}$: $\pm 0.3\text{ K}$
	Temperature at 15...21 $^{\circ}\text{C}$ /25...35 $^{\circ}\text{C}$: $\pm 0.7\text{ K}$
	Temperature at 0...15 $^{\circ}\text{C}$ /35...50 $^{\circ}\text{C}$: $\pm 1\text{ K}$
	CO2 at 0...2000 ppm: $\pm 2\text{ }\%$ m.v. / $\pm 50\text{ ppm}$
Communication	2400...2483.5 MHz
Indoor wireless range	50 m
Display	No display
Color	White (RAL9016)
Degree of protection	IP30
Dimensions (W x H x D)	88 x 88 x 18 mm
Warranty	24 Months

	Stock no.	Product no.
	S55720-S552	QPA2892/WI

Connect Box Hardware

CWG.BOX..

The Connect Box is a simple, universal, and open IoT solution to connect and monitor small and medium-sized buildings.

Users can start within a day thanks to plug & play installation and the simple configuration and intuitive UI.

Improving energy efficiency, building comfort and reducing costs in existing buildings has never been that easy.



- > Library of over 500 field devices ready to connect
- > Smart converter of 11 communication protocols, both standard and proprietary, wired and radio
- > Default data retrieval at 10-minutes intervals (excluding IoT-sensors that have their own frequencies to minimize battery consumption). Commands (downlink) are sent instantly
- > Local or cloud connectivity via 4G IP, field bus
- > Over-the-air updates via 4G
- > Local IoT private network based on LoRa
- > Powerful integration up to 3rd party applications
- > Full-service, no networking skills required thanks to 4G cloud connectivity
- > BMS essentials included in user console on connectbox.siemens.com
- > Public API management and documentation

Operating voltage	DC 12...24 V
Max. cable length	1000 m
Connection cable	2-wire 0.35 mm ² ; Copper
Interfaces	Ethernet USB 1.1 USB 2.0 RS-485
Interface type	RS 485 Ethernet KNX-bus
Memory	512 MB RAM 4 GB Flash
Mounting	DIN rail Wall mounting with screws
Degree of protection	IP30-Vorderteile im DIN-Ausschnitt IP20-Terminalteil

Range overview CWG.BOX..

Product Title	Stock no.	Product no.
Connect Box Hardware	S55813-Y100	CWG.BOX-EU
Connect Box Hardware	S55813-Y110	CWG.BOX-NA

Connect Box License 1 Year

1 Year License for Connect Box

CWG.L1..
SIEMENS**Range overview CWG.L1..**

Product Title	Stock no.	Product no.
Connect Box License 1 Year 50 DP	P55695-L100-A160	CWG.L1-ADD2
Connect Box License 1 Year 1000 DP	P55695-L100-A170	CWG.L1-ADD3
1 Year Cloud Control Add-on for Connect Box	P55695-L100-A180	CWG.L1-ADDC
Connect Box License 1 Year IoT	P55695-L100-A100	CWG.L1-IOT
Connect Box License 1 Year L	P55695-L100-A130	CWG.L1-L

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Wireless and IoT

Connect Box

Range overview CWG.L1..

Product Title	Stock no.	Product no.
Connect Box License 1 Year M	P55695-L100-A120	CWG.L1-M
Connect Box License 1 Year S	P55695-L100-A110	CWG.L1-S
Connect Box License 1 Year Sat.	P55695-L100-A140	CWG.L1-SAT

CWG.L3.. SIEMENS

Connect Box License 3 Years

3 Years License for Connect Box

Range overview CWG.L3..

Product Title	Stock no.	Product no.
Connect Box License 3 Year 50 DP	P55695-L100-A260	CWG.L3-ADD2
Connect Box License 3 Year 1000 DP	P55695-L100-A270	CWG.L3-ADD3
Connect Box License 3 Year IoT	P55695-L100-A200	CWG.L3-IOT
Connect Box License 3 Year L	P55695-L100-A230	CWG.L3-L
Connect Box License 3 Year M	P55695-L100-A220	CWG.L3-M
Connect Box License 3 Year S	P55695-L100-A210	CWG.L3-S
Connect Box License 3 Year Sat.	P55695-L100-A240	CWG.L3-SAT

CWG.L5.. SIEMENS

Connect Box License 5 Years

5 Years License for Connect Box

Range overview CWG.L5..

Product Title	Stock no.	Product no.
Connect Box License 5 Year 50 DP	P55695-L100-A360	CWG.L5-ADD2
Connect Box License 5 Year 1000 DP	P55695-L100-A370	CWG.L5-ADD3
Connect Box License 5 Year IoT	P55695-L100-A300	CWG.L5-IOT
Connect Box License 5 Year L	P55695-L100-A330	CWG.L5-L
Connect Box License 5 Year M	P55695-L100-A320	CWG.L5-M
Connect Box License 5 Year S	P55695-L100-A310	CWG.L5-S
Connect Box License 5 Year Sat.	P55695-L100-A340	CWG.L5-SAT

Connect Box License (on-premise)

CWG.L6..
SIEMENS

Connect Box (on-premise) License

Data sheet

A6V13605416

Range overview CWG.L6..

Product Title	Stock no.	Product no.
Connect Box (on-premise) License - Upgrade from IoT or Small to Medium	P55695-L100-A460	CWG.L6-ADD1
Connect Box (on-premise) License Upgrade from Medium to Large	P55695-L100-A470	CWG.L6-ADD2
Connect Box (on-premise) License Upgrade from Large to XLarge	P55695-L100-A480	CWG.L6-ADD3
Connect Box (on-premise) Control Add-on License	P55695-L100-A490	CWG.L6-ADDC
Connect Box License (on-premise) IoT	P55695-L100-A400	CWG.L6-IOT
Connect Box License (on-premise) IoT+	P55695-L100-A405	CWG.L6-IOT+
Connect Box License (on-premise) L	P55695-L100-A430	CWG.L6-L
Connect Box License (on-premise) M	P55695-L100-A420	CWG.L6-M
Connect Box License (on-premise) renew	P55695-L100-A450	CWG.L6-R
Connect Box License (on-premise) S	P55695-L100-A410	CWG.L6-S
Connect Box License (on-premise) XL	P55695-L100-A440	CWG.L6-XL

QNA...



Indoor Air Quality Multi-Sensor

Indoor Air Quality multi-sensor

- A 7in1 sensor acquires value of temperature, r.H., CO2, VOC, particle matter as well as sound pressure and illuminance as complementary info.
- It is compliant with WELL, LEAD building certification in term of people’s wellbeing. One typical use case is to monitor the indoor air quality status in WELL certified buildings.
- Available with (depending on the variant chosen),
BACnet IP
BACnet MSTP
LoRaWAN for EU/US/AU

Measuring range, temperature	0...90 °C
Measurement range humidity	0...100 % r.h.
Measuring range	400...5000 ppm CO2
Measurement accuracy	±3 % r.h.±3 % r.h.
Ambient temperature, operation	-5...+40 °C
Display	LED
Communication	BACnet IP, BACnet MSTP, LoRaWAN

Range overview QNA...

Product Title	Dimensions (WxHxD) [mm]	Stock no.	Product no.
IAQ multi-sensor BACnet IP, RESET Certified	98 x 98 x 34	S55720-S572	QNA2700D.BA1
IAQ multi-sensor BACnet MSTP, RESET Certified	98 x 98 x 34	S55720-S573	QNA2700D.BA2
IAQ multi-sensor LoRaWAN AU, RESET Certified	98 x 98 x 34	S55720-S576	QNA2820D.AU
IAQ multi-sensor LoRaWAN EU, RESET Certified	98 x 98 x 34	S55720-S574	QNA2820D.EU
IAQ multi-sensor LoRaWAN US, RESET Certified	98 x 98 x 34	S55720-S575	QNA2820D.US

Edge controller CXE200

CXE200

Edge controller for integration with Siemens Plug and play automation HVAC and building automation and control systems

- Integration of Modbus (RTU) and M-Bus data points
- Ethernet ports for WAN and LAN
- WLAN interface for engineering and commissioning
- Operating voltage AC 24 V or DC 24 V
- Mounted on standard rails or on the wall
- Plug-in terminal blocks
- Remote tool access, update and configuration via Siemens Cloud Services (depending on firmware)



CXE200 is a pre-programmed edge controller for controlling building equipment and collecting data. It combines the essential functionality of a gateway with an edge controller. The device integrates thermostats, meters and other devices via plug and play, all managed from the Plug and play automation cloud application.

The building automation system is operated from the cloud application, including room definition, scheduling, monitoring and troubleshooting.

Operating voltage	24...24 V
Power consumption	9 VA
Communication	BACnet/IP
Interface type	Ethernet TCP/IP
Mounting	DIN rail
	Wall mounting
Degree of protection	IP20
Dimensions (W x H x D)	144 x 124 x 70 mm
Warranty	24 Months

	Stock no.	Product no.
	S55842-Z135-A100	CXE200

OCT110.BR

Thread Border Router, KNX IoT/Thread & Ethernet

The Thread Border Router OCT110.BR provides IoT connectivity and enables communication via Thread and Ethernet.

- Compatible with all Siemens KNX IoT / Thread devices
- Extends the wireless range by bridging wireless Thread to wired Ethernet communication
- Reliable network operation with mesh network capabilities
- Wall or ceiling mount (mounting adapter included in packaging)
- Mains powered by external power supply adapter (AC 100...240V)
- International power supply adapter included in packaging (US, UK, EU, AU/NZ)
- Clear status indication with integrated LEDs
- Dimensions: 76 x 76 x 25 mm / Weight: 63 g

Data sheet	A6V15454242
Operating voltage	DC 5 V
Voltage supply	External power supply adapter
Power consumption	5 W
Operating range	DC 5 V
Communication	2400...2485 MHz
Ambient temperature, operation	0...50 °C
Ambient humidity, operation	5...95 % r.h.
Ambient temperature, storage	-25...+70 °C
Mounting	Wall
	Ceiling
Degree of protection	IP30
Weight (net)	0.062 kg
Color	White (RAL9016)
Dimensions (W x H x D)	75.8 x 75.8 x 28.5 mm
Warranty	24 Months

Stock no.	Product no.
S55812-Y103	OCT110.BR