EcoStruxure™ Building-IoT Gateway

The IoT Gateway is a multi-protocol gateway that can simultaneously receive data from multiple wireless protocols. It is designed for commercial facilities and building installations. The Gateway has built-in radios to allow for direct communication with sensors in the IoT Sensor Solution product family. Multiple gateways can be installed to support thousands of sensors.

Regulatory Compliance and Safety Information

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

Carefully read these instructions and all information relevant to this product before trying to install it. See the list of technical literature.

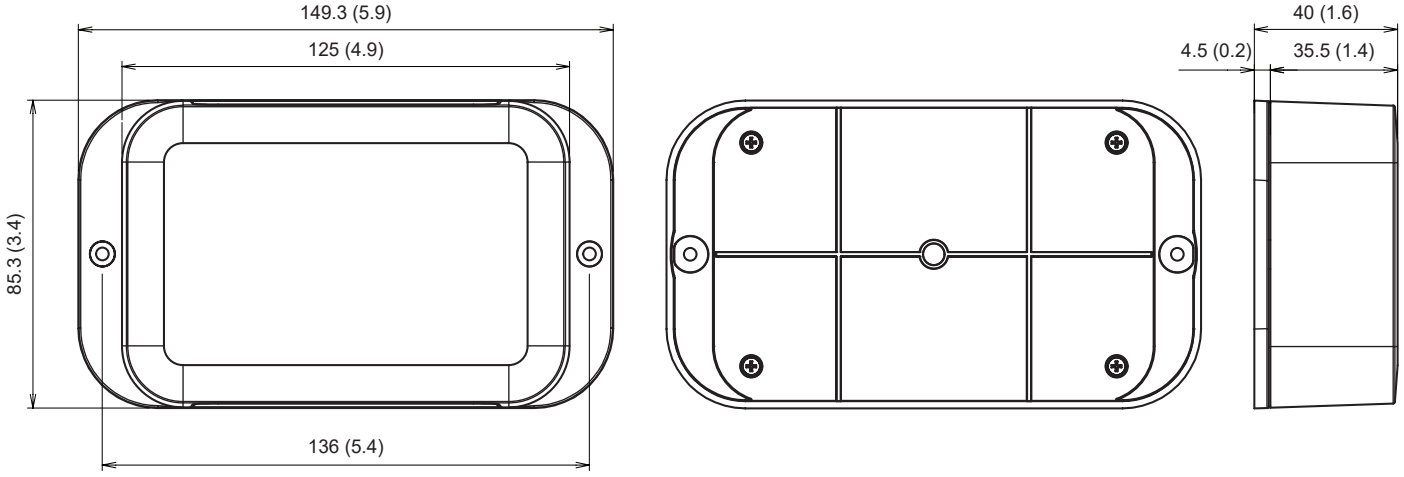
The technical literature and declarations of conformity can be accessed on the Schneider Electric Exchange website, ecoxpert.se.com. Contact your local Schneider Electric sales office for a hard copy of the documentation or for additional information.

Supported Sensors

- Well-Being part number: EBIOTPCWE1
- Advanced Well-Being part number: EBIOTPCWE2
- Desk Occupancy part numbers: EBIOTPCWD
- Room Occupancy part numbers: EBIOTPCWR

Dimensions

mm (inches)



Installation Restrictions

NOTICE

REDUCED DEVICE PERFORMANCE

- This device is for indoor use only and is not suitable for wet locations.
- Do not install the device close to an exterior window.
- When replacing a device, install the new device in the same position and direction as the replaced device.

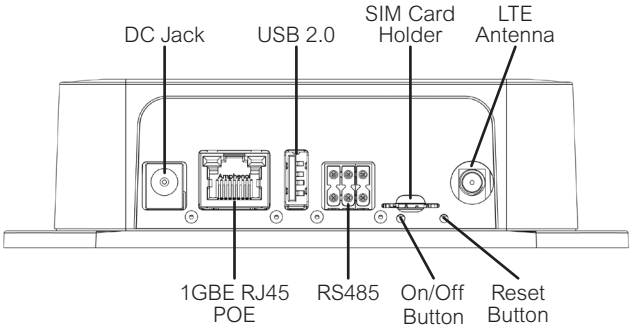
Failure to follow these instructions can result in reduced device performance.

Installing the Device

1. Install the antenna[a].
2. Use the screws[a] to install the gateway on the wall.
3. Power on the gateway using the power adapter[a] or Power over Ethernet (PoE).
   The green LED will turn on solid to indicate the device is operational. Otherwise, press the on/off button to power it up.

a. This component is provided in the accessory kit.

Connections and Buttons



Part Numbers

Product	Part Number
EcoStruxure Building-IoT Gateway Includes a 12V 1.5A Power Adapter, LTE Antenna Pulse W5095k, installation equipment and instructions	EBIOTPGW

General Specifications

Maximum number of supported devices
IoT Sensor Solution sensors
200

Material
Enclosure
Plastic casing with internal antenna for Wi-Fi/ Bluetooth. One SMA port for LTE.

Mechanical
Dimensions
150L x 85W x 40H mm (5.9L x 3.3W x 1.6H in)
Weight
185 g (0.4 lb)

Electrical
Power
9 - 36 V
Power over Ethernet (PoE) sink

Hardware
RAM
1GB DDR4
Storage capacity
8GB eMMC

Connectors
1 x RS485
1 x USB 2.0 Connector, Type-A
1 x 9V - 36V power supply

Wireless connectivity
Connectivity
LAN, Wi-Fi 2.4 and 5.0 Ghz
Communication protocol
2.4 GHz, Sensor Network supporting Mesh Technology
Antenna type
Omnidirectional, internal
Cellular connectivity
1 x LTE Cat 4 Worldwide + GPS (with fallback on 3G/2G)

Protocols
Communication protocol
MQTT

Networking connectivity requirements
Requirements
The Gateway needs a network with a DHCP server to get IP addresses assigned.
The Internet connection only requires outgoing port 443.
The Gateway connects automatically to the cloud server.

Environment
Environmental conditions
Indoor use only
Ambient temperature, operating
0 to 50 °C (32 to 122 °F)
Ambient temperature, storage
-20 to 65 °C (-4 to 149 °F)
Humidity
0 to 95 % (non-condensing)

Installation
Mounting
Wall-mounted
Installation equipment, included
Mounting tape, screws, installation instructions

Addendum - California Proposition 65 Warning Statement for California Residents

⚠ **WARNING**: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

部件名称 (Part Name)	有害物质 (Hazardous Substances)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件 (Plastic Parts)	O	O	O	O	O	O
电子件 (Electronics)	X	O	O	O	O	O

本表格依据 SJ/T11364 的规定编制。 (This table is made according to SJ/T 11364.)

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。
(Indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572.)

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。
(Indicates that the concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572.)

Regulatory Notices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: reorient or relocate the receiving antenna; increase the separation between the equipment and receiver; connect the equipment into an outlet on a circuit different from that to which the receiver is connected; consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Cet appareil est conforme à la norme RSS exempte de licence d'Industrie Canada. L'opération est sous réserve des deux conditions suivantes: (1)

Cet appareil ne doit pas causer d'interférences; et (2) Cet appareil doit accepter toute interference fonctionnement indésirable de l'appareil.

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