

SIMATIC RTLS

Localization systems SIMATIC RTLS4030G

Operating Instructions

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Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

 DANGER
indicates that death or severe personal injury will result if proper precautions are not taken.
 WARNING
indicates that death or severe personal injury may result if proper precautions are not taken.
 CAUTION
indicates that minor personal injury can result if proper precautions are not taken.
NOTICE
indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

 WARNING
Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

All names identified by ® are registered trademarks of Siemens AG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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Introduction

Purpose of the Operating Instructions

These operating instructions support you when installing and connecting up the SIMATIC RTLS4030G device.

The configuration and the integration of the devices in a network are not described in these operating instructions.

Validity of the Operating Instructions

These operating instructions apply to the following device:

- RTLS4030G (CE; article number: 6GT2701-5DB03)
- RTLS4030G (FCC/NOM/ANATEL; article number: 6GT2701-5DB13)
- RTLS4030G (CMIIT; article number: 6GT2701-5DB23)
- RTLS4030G (ISED; order number: 6GT2701-5DB33)

Further documentation

The system manual "Commissioning SIMATIC RTLS" provides information on other SIMATIC RTLS products that you can operate together with the devices in this product line in an Industrial Ethernet network.

You can find the system manual at the following link:
(<https://support.industry.siemens.com/cs/us/en/ps/25277>)

Trademarks

The following and possibly other names not identified by the registered trademark sign ® are registered trademarks of Siemens AG:

SIMATIC RTLS

Industry Online Support

In addition to the product documentation, the comprehensive online information platform of Siemens Industry Online Support offers support at the following Internet address:

(<https://support.industry.siemens.com/cs/start?lc=en-US>)

Apart from news, there you will also find:

- Project information: Manuals, FAQs, downloads, application examples etc.
- Contacts, Technical Forum
- The option submitting a support query: (<https://support.industry.siemens.com/My/us/en/>)
- Our service offer:

Right across our products and systems, we provide numerous services that support you in every phase of the life of your machine or system - from planning and implementation to commissioning, through to maintenance and modernization.

You will find contact information on the Internet at the following address:

(https://www.automation.siemens.com/aspa_app/?ci=yes&lang=en)

SITRAIN - Training for Industry

The training offer includes more than 300 courses on basic topics, extended knowledge and special knowledge as well as advanced training for individual sectors - available at more than 130 locations. Courses can also be organized individually and held locally at your location.

You will find detailed information on the training curriculum and how to contact our customer consultants at the following Internet address:

(<https://new.siemens.com/global/en/products/services/industry/sitrain/personal.html>)

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines, and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions form one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. These systems, machines and components should only be connected to the enterprise network or the Internet if and only to the extent necessary and with appropriate security measures (firewalls and/or network segmentation) in place.

You can find more information on protective measures in the area of industrial security by visiting: (<https://www.siemens.com/industrialsecurity>).

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends performing product updates as soon as they are available and using only the latest product versions. Use of product versions that are no longer supported, and failure to apply latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under (<https://www.siemens.com/industrialsecurity>).

Security recommendations

General

Note the following security recommendations to prevent unauthorized access:

- Keep the firmware up to date. Check regularly for security updates for the device. You can find information on this at the Industrial Security (<https://new.siemens.com/global/en/company/topic-areas/future-of-manufacturing/industrial-security.html>) website.
- Inform yourself regularly about security recommendations published by Siemens ProductCERT (<https://new.siemens.com/global/en/products/services/cert.html>).
- Evaluate your plant as a whole in terms of security. Use a cell protection concept with suitable products.
- This product requires an additional security concept to prevent unauthorized access.
- Transponder and infrastructure can be configured for radio channels according to IEEE 802.15.4-2015. You will find details in the section "Technical specifications".
- Ensure that the radio frequencies are not used for other purposes and are not affected by other interfering signals. This should be ensured within the operating range of the localization system.
- Interference in the frequency band used can impair the system and, in extreme cases, lead to localization failure.

Physical access

- Restrict physical access to the device to qualified personnel.
- Disable unused physical interfaces of the device. Unused interfaces could be used to gain access to the operating site.

Software - Safety functions

- Only use protocols that are required to operate the device.
- Restrict access to the device with a firewall or rules in an ACL (Access Control List).
- Using VLANs gives you good protection against DoS attacks. Check whether this is practicable.
- Activate the access logging function (external). Use the central logging function to record changes and access.
- Configure a SysLog server to save all logs to a central location.

List of available protocols

The following is a list of all available protocols and their ports through which the device can be accessed.

Table 1- 1 List of available protocols

Service/ Protocol	Protocol/ port number	Default port status	Configurable port	Authentication	Encryption
Ethernet/IP	TCP 1010	Open	Yes	No	No
Ethernet/IP	TCP 1011	Open	Yes	No	No
Ethernet/IP	TCP 30704	Open	No	No	No
Ethernet/IP	TCP 30718	Open	No	No	No
Ethernet/IP	UDP 30718	Open	No	No	No
Ethernet/IP	UDP 30704	Open	No	No	No

- **Service/Protocol**
Protocols that the device supports.
- **Protocol/port number**
Port number assigned to the protocol.
- **Default port status**
 - Open
The port is open at the start of the configuration.
 - Closed
The port is closed at the start of the configuration.
- **Configurable port**
 - ✓
The port can be configured.
 - --
The port cannot be configured
- **Authentication**
Specifies whether the communication partner is authenticated.
- **Encryption**
Specifies whether the transfer is encrypted.

Recycling and disposal



The products are low in harmful substances, can be recycled and meet the requirements of the Directive 2012/19/EU for disposal of waste electrical and electronic equipment (WEEE).

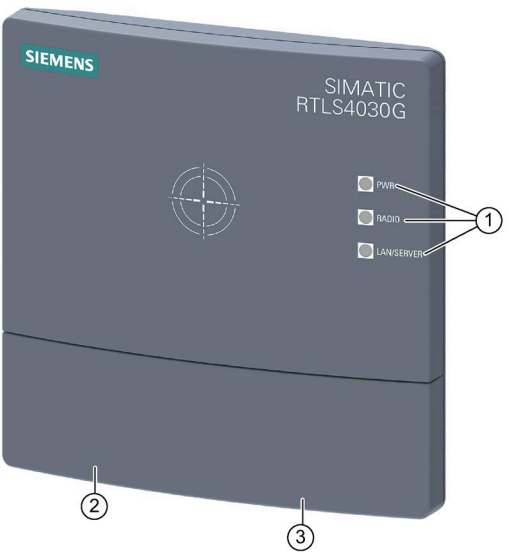
Do not dispose of the products at public disposal sites.

For environmentally compliant recycling and disposal of your electronic waste, please contact a company certified for the disposal of electronic waste or your Siemens representative.

Note the different national regulations.

Device description

2.1 Characteristics

SIMATIC RTLS4030G	Characteristics	
	Design	① Status indicators (LEDs) ② Connection for power supply ③ Ethernet port; Alternative power supply using Power over Ethernet (PoE)
	General	The device is the home location for localization in the RTLS localization system. It can be connected to the local IT infrastructure over Ethernet. This connection sets up an exchange between the node, the RTLS localization network and the Locating Manager server.
	Area of application	The device is suitable for operation in humid environments (IP65).

2.2 Order data RTLS4030G

Table 2- 1 Order data RTLS4030G

		Article number
SIMATIC RTLS4030G	CE	6GT2701-5DB03
	FCC/NOM/ANA TEL	6GT2701-5DB13
	CMIIT	6GT2701-5DB23
	ISED	6GT2701-5DB33

Table 2- 2 Accessories order data (not included in scope of delivery)

		Article number
Connecting cable for gateway Bulgin 400 Series Buccaneer® PX0410/03S, 3-pin, 5 m		6GT2791-2AH50
Protective jacket IP65 for RJ45 connector made of plastic, for cable mounting (IP65) to gateway		6GT2790-0CB00
Holder for gateways for ceiling mounting		6GT2790-0BE20
Holder for gateways for corner and mast mounting		6GT2790-0BE30
Connecting cable for connection to wide-range power supply unit for gateways, 5 m		6GT2791-2PH50
Wide-range power supply with power cable	EU	6GT2898-0AC00
	UK	6GT2898-0AC10
	US	6GT2898-0AC20
Wide-range power supply without power cable		6GT2898-0AC81
Power cable for wide-range power supply	EU	6GT2898-0AC01
	UK	6GT2898-0AC11
	US	6GT2898-0AC21
IE TP Cord RJ45 / RJ45, 4 x 2	1 m	6XV1870-3QH10
	3 m	6XV1870-3QH30
	6 m	6XV1870-3QH60
	10 m	6XV1870-3QN10
	20 m	6XV1870-3QN20
	25 m	6XV1870-3QN25
	50 m	6XV1870-3QN50

2.3 Pin assignment

Ethernet RJ45 port

The device may only be connected to the Ethernet via the plug-in connectors shown below.

When connecting the Ethernet cable, make sure that the twist-lock connector engages correctly.

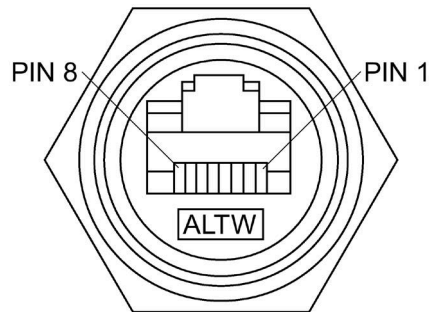
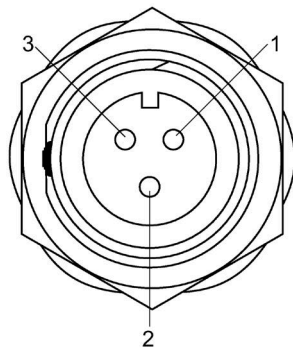


Figure 2-1 RJ45 connector Amphenol LTW PCP-00AMMA-TLM7001

Connection for power supply

- 3-pin plug-in connector Buccaneer® PX0412/03P
- Connectors: SA3350/1
- Sealing cover: PX0480

The pins are occupied as illustrated below:



Pin	Description
1	Supply voltage (red) 8 ... 30 V DC
2	Digital output (brown) Switched input voltage, max. current 200 mA
3	Grounding terminal (black) GND (0 V)

2.4 LED status indicator

The operating states of the gateways are indicated by the LEDs. The states can be off , on  and flashing .

LED	Meaning
	POWER LED Lights up green when power is being supplied to the device
	RADIO LED Off when the radio signal of the device to other gateways or transponders is inactive
	RADIO LED Flashes yellow when the radio signal of the device to other gateways or transponders is active
	LAN/SERVER LED Lights up blue when the device has an Ethernet connection and a connection to the Locating Manager
	LAN/SERVER LED Flashes blue once per second when the device has an Ethernet connection but no connection to the Locating Manager server
	LAN/SERVER LED Is off when the device has no Ethernet connection

2.5 Dimension drawing

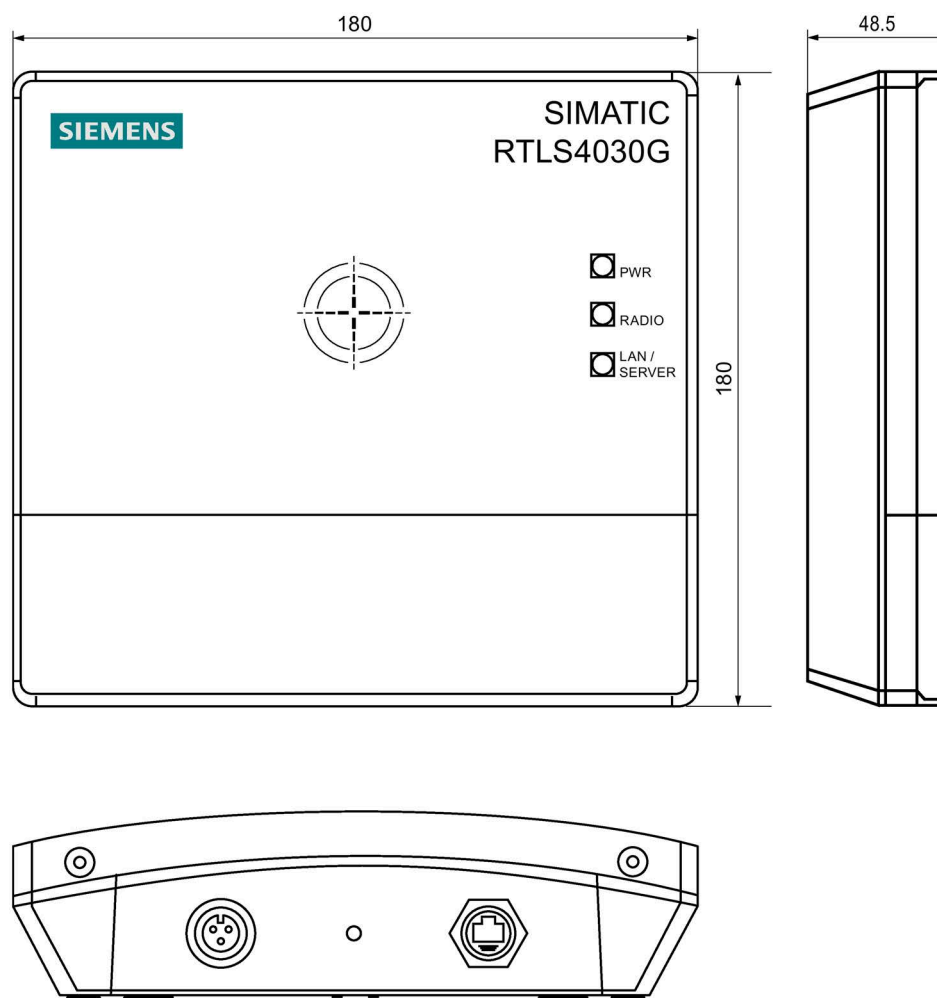


Figure 2-2 Dimension drawing SIMATIC RTLS4030G - All dimensions specified in millimeters

2.6 Troubleshooting

Error detection	Cause of the error	Troubleshooting
Device does not respond, all LEDs are off	Device is not connected or the power supply is not switched on	Check the power supply of the device
The blue LED (LAN/SERVER) is off.	Device has no Ethernet connection	Check the local network and the firewall
The blue LED (LAN/SERVER) flashes once per second.	Device is not connected to the Locating Manager	Switch on Locating Manager

Installation & Operation

3.1 Notes on installation

Note

Before you install the devices, read this section carefully to ensure trouble-free installation and commissioning.

The devices can only be used in conjunction with the RTLS localization system.

The device is intended for fixed installation on walls or ceilings. Installation is to be performed by qualified and trained users according to the operating instructions. In addition, installation must take place in accordance with the respective instructions for the installation of electrical systems and utilities. The devices must be installed so that they are accessible for future maintenance, e.g., for opening the enclosure cover.

Note the specifications in the section "Technical specifications (Page 23)" during installation and operation. Ensure that all screws are securely and firmly screwed into the wall / ceiling and can support the weight of the device and its wiring.

Make sure that the ambient temperature does not exceed 50 °C and that the device is not installed in a location where it is exposed to direct sunlight.

Connection of the cables

Make sure that the Twist-Lock connectors are inserted correctly to prevent moisture from entering the enclosure.

Make sure that the wiring is correct before you start up the device.

Only use the cables described in the order data, supplied with the device or otherwise prescribed. Siemens AG is not liable for damage or functional limitations caused by the use of other cables.

Protect the device from penetrating moisture by closing off connectors that are not in use with suitable covers. These covers are installed on the device.

Power supply

When the power supply is connected to the power plug, all LEDs flash briefly for a moment. The POWER LED lights up as soon as voltage is present.

You can supply the device with power via the Ethernet cable. In this case, the power plug must be tightly sealed to prevent moisture from penetrating. The device is a class 0 device according to PoE.

NOTICE

No simultaneous power supply

Do not supply the device with power through the power plug and the PoE connection at the same time.

Check whether the rated voltage of the power supply corresponds to the values in the section "Technical specifications (Page 23)".



CAUTION

Safety extra low voltage

The equipment is designed for operation with Safety Extra-Low Voltage (SELV) by a Limited Power Source (LPS). (This does not apply to 100 V...240 V devices.)

This means that only SELV / LPS complying with IEC 60950-1 / EN 60950-1 / VDE 0805-1 must be connected to the power supply terminals, or the power supply unit for the equipment power supply must comply with NEC Class 2, as described by the National Electrical Code (r) (ANSI / NFPA 70).

Installation without holder

Do the following to mount the device without holder to the wall:

1. Draw the bore holes on the wall according to the following drilling pattern.
2. Drill the holes with a suitable device.
3. Insert the suitable anchors in the holes. (Anchors are not supplied with the device.)
4. Mount the device to the wall using screws (M4). (Screws are not supplied with the device.)

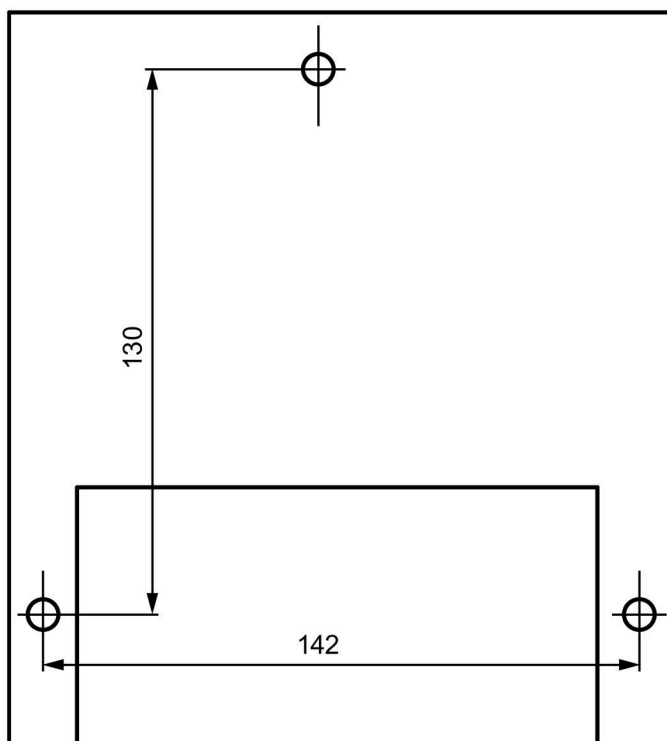


Figure 3-1 Drilling pattern - All dimensions specified in millimeters

3.2 Mounting for ceiling mount

Follow the steps below to mount the device to the wall/ceiling:

1. Use the mounting plate as template and draw the bore holes on the ceiling.
2. Drill the holes with a suitable device.
3. Insert the suitable anchors in the holes. (Anchors are not supplied with the device.)
4. Mount the mounting plate to the ceiling.
5. Install the device to the mounting plate using the screws (M4). (Screws are not supplied with the device.)

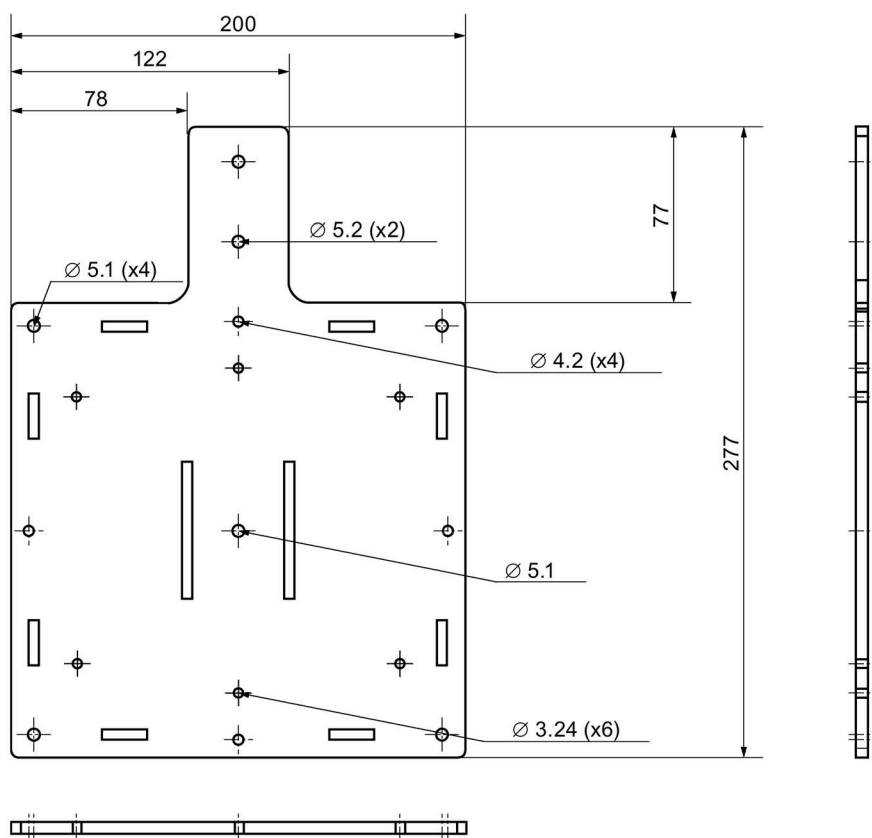


Figure 3-2 Ceiling support - all dimensions specified in millimeters.

3.3 Mounting for corner and pole mount

Follow the steps below to mount the device to a corner/mast:

1. Use the universal support as template and draw the bore holes on the corner / mast.
2. Drill the holes with a suitable device.
3. Insert the suitable anchors in the holes. (Anchors are not supplied with the device.)
4. Install the universal support to the corner / mast.
5. Mount the device to the universal support using the screws (M4). (Screws are not supplied with the device.)

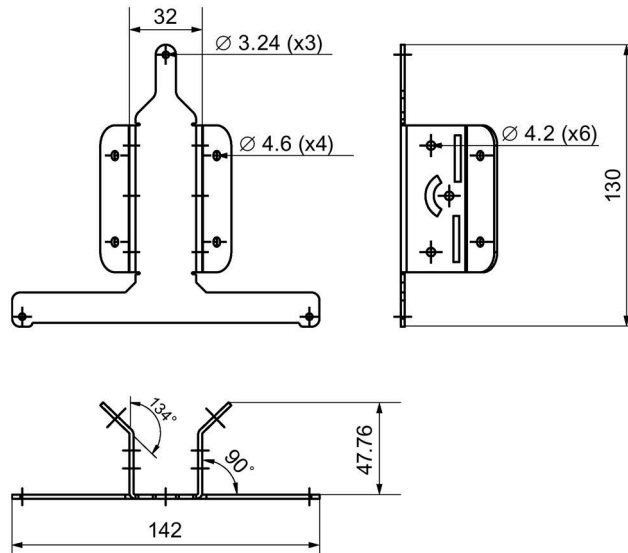


Figure 3-3 Universal support - all dimensions specified in millimeters.

Note

If drilling is not possible, you can also fasten the universal support to the given position using cable ties, for example.

3.4 Ethernet

When installing and connecting the Ethernet connection, observe the applicable general conditions and their legal basis.

The Ethernet connection is connected to the Ethernet socket of the device. The cable must be connected to the RJ45 plug before connection to the socket.

For the power supply of the device over PoE, a corresponding infrastructure such as PoE adapter or PoE switch is required.

The device is preset to DHCP as standard. The Locating Manager server address 192.168.1.10 is configured on the device

3.5 Operation

The device is not suitable for operation in hazardous areas.

Operation of the system according to EN 62368-1 is only safe when the housing cover is installed (cooling, fire protection, interference suppression).

In case of emergencies (e.g. when the enclosure is damaged, when liquids or foreign objects are entering the device), the device must be disconnected from the power supply and maintenance must be contacted immediately.

3.6 Cleaning and maintenance

The device may only be opened by suitably trained and qualified users. Only authorized dealers are permitted to repair the device.

Unauthorized opening of and improper repairs to the device may cause substantial risks to the user. As soon as the device was opened without permission, warranty and liability of the Siemens AG are rendered null and void.

Do not clean the enclosure with abrasive, alkaline or aggressive cleaning products or aids.

Technical specifications

Table 4- 1 Technical specifications of the gateway RTLS4030G

6GT2701-5DB03, 6GT2701-5DB13 6GT2701-5DB23, 6GT2701-5DB33	
Product name	SIMATIC RTLS4030G
PULSE radio frequencies	
Wireless method	IEEE 802.15.4-2015 UWB HRP PHY
Transmission speed	850 kbps
Operating frequency rated value	3993.6 MHz (UWB channel 2; CE, FCC/NOM/ANATEL) 6489.6 MHz (UWB channel 5; CE, FCC/NOM/ANATEL, CMIIT, ISED)
Bandwidth	499.2 MHz
Frequency range	3100 MHz ... 4800 MHz (CE, FCC/NOM/ANATEL) 6000 MHz ... 7000 MHz (CE, FCC/NOM/ANATEL, CMIIT, ISED)
Transmit power	0.037 mW (-41.3 dBm/MHz)
Range	Maximum 30 m
Accuracy of the localization (typical)	0.2 m
Antennas	Built-in UWB antenna
PHASE radio frequencies	
Wireless method	IEEE 802.15.4
Transmission speed	1 Mbit/s
Operating frequency rated value	2405 ... 2480 MHz
Bandwidth	2 MHz; data transmission on 802.15.4; channels configurable
Frequency range	2400 MHz ... 2483.5 MHz
Transmit power	0.022 ... 12.6 mW (configurable)
Range	Maximum 500 m
Accuracy of the localization (typical)	1 m
Antennas	Built-in 2.4 GHz antenna
Ethernet	
Transmission speed	10 / 100 Mbit/s
Duplex mode	Half or full duplex
DHCP	Yes
PoE	IEEE 802.3af Class 0. power rating 0.44 ... 12.94 W
Supply voltage, power consumption	
Supply voltage	DC 8 ... 30 V

6GT2701-5DB03, 6GT2701-5DB13
6GT2701-5DB23, 6GT2701-5DB33

Rated voltage	DC 24 V
Power consumption	9 W
Current consumption	0.38 A

Permitted ambient conditions

Ambient temperature

- During operation • -15 ... +50 °C
- During storage • -15 ... +50 °C
- During transport • -15 ... +50 °C

Design, dimensions, weights and connectors

Dimensions (L x W x H)	180 x 180 x 48 mm
Weight	650 g
Degree of protection	IP65
Method of securing	Fixed mounting on walls or ceilings
Enclosure	Plastic enclosure (ASA and PC), UV resistant
Color	Titanium gray
Power plug	3-pin plug-in connector with screw-type terminal Bulgin Buccaneer® PX0412/03P
Ethernet	RJ45 Ethernet with PoE Amphenol LTW RCP-00AMMA-TLM7001

Approvals

Note

The specified approvals apply only when the corresponding mark is printed on the product. You can check which of the following approvals have been granted for your product by the markings on the type plate.

You can find the current EU Declaration of Conformity for these products on the Internet at Siemens Industry Online Support.

Link:

(<https://support.industry.siemens.com/cs/products?dtp=Certificate&mfn=ps&pnid=14970&lc=en-US>)

The products described in this document meet the requirements of the following EU directives:

- RoHS Directive 2011/65/EU
Directive of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, official journal of the EU L174, 1 July 2011, pages 88-110
- Radio Equipment Directive 2014/53/EU (RED)
Directive of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the member states relating to placing radio equipment on the market; official journal of the EU L153, 22 May 2014, pages 62-106

RoHS directive (restriction of the use of certain hazardous substances)

The products described in these operating instructions meet the requirements of the EU directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Applied standard:

- EN 50581
Technical documentation for the assessment of electrical and electronic products with respect to restriction of hazardous substances

The products described in this document meet the requirements of the applied standards:

Article 3 (1) a) Protection of health and safety

- EN 62368-1
Equipment for audio/video, information and communication technology – Part 1: Safety requirements
- EN 62311
Assessment of electronic and electrical equipment related to human exposure restrictions in electromagnetic fields (0 Hz - 300 GHz)

The products described in these operating instructions meet the requirements of EU directive 2014/30/EU "Electromagnetic Compatibility" according to the designated standards for the following areas of application.

Article 3 (1) b) EMC

- ETSI EN 301 489-1
Electromagnetic compatibility and radio spectrum matters (ERM) - Electromagnetic compatibility for radio equipment and services - Part 1: Common technical requirements
- ETSI EN 301 489-17
Electromagnetic compatibility and radio spectrum matters (ERM) - Electromagnetic compatibility for radio equipment and services - Part 17:
Specific conditions for broadband data transmission systems
- ETSI EN 301 489-33
Electromagnetic compatibility and radio spectrum matters (ERM) - Electromagnetic compatibility for radio equipment and services - Part 33:
Special conditions for ultra-wideband (UWB) devices
- EN 55011
Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics – Limits and methods of measurement
- EN 55032 Class A, Class B
Electromagnetic compatibility of multimedia equipment – Emission requirements
- EN 55035
Electromagnetic compatibility of multimedia equipment - Immunity requirements
- EN 61000-6-1
Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
- EN 61000-6-2
Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
- EN 61000-6-3
Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments
- EN 61000-6-4
Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments

Article 3 (2) Efficient use of the radio spectrum

- ETSI EN 300 328
Wideband transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques. Harmonized standard covering the essential requirements of article 3.2 of the EU Directive 2014/53/EU
- ETSI EN 302 065-2
Short Range Devices (SRD) using ultra-wideband technology (UWB); Harmonized standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 2: Requirements for UWB location tracking

FCC information

Siemens SIMATIC RTLS4030G (MLFB 6GT2701-5DB13); Contains FCC ID SCF6032502

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.

Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC RF radiation exposure statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

ISED information

Siemens SIMATIC RTLS4030G (MLFB 6GT2701-5DB33); Contains IC ID 267X-4030G01

NOTICE (RSS-Gen Issue 5)

This device complies with license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s).

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation exposure statement (RSS-102)

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20 cm entre le radiateur et votre corps.

UL

 WARNING
Power supply The device is designed for operation with a directly connectable safety extra-low voltage (SELV) from a limited power source (LPS). This means that only SELV with LPS complying with IEC 60950-1 / EN 60950-1 / VDE 0805-1 can be connected to the power supply terminals, or the power supply unit for the equipment power supply must comply with NEC Class 2, as described by the National Electrical Code (r) (ANSI / NFPA 70).

 WARNING
Power supply The equipment is designed for operation with Safety Extra-Low Voltage (SELV) by a Limited Power Source (LPS). This means that only SELV / LPS complying with IEC60950-1/EN60950-1/VDE0805-1 must be connected to the power supply terminals. The power supply unit for the equipment power supply must comply with NEC Class 2, as described by the National Electrical Code (r) (ANSI / NFPA 70).

 WARNING
Alimentation Cet appareil est conçu pour fonctionner à une très basse tension de sécurité (Safety Extra-Low Voltage, SELV) fournie par une alimentation électrique à puissance limitée (Limited Power Source, LPS). C'est pourquoi on ne doit connecter aux bornes d'alimentation que des très basses tensions de sécurité (TBTS) à puissance limitée (Limited Power Source, LPS) selon CEI 60950-1 / EN 60950-1 / VDE 0805-1 ou n'utiliser qu'un bloc d'alimentation de l'appareil conforme à NEC Class 2 de la norme National Electrical Code (r) (ANSI / NFPA 70).

The labeling of electrical equipment is as follows:

	LISTED E115352
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NOM información

Siemens SIMATIC RTLS4030G (MLFB 6GT2701-5DB13); IFT RCPSIRT19-1570

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

ANATEL



Siemens SIMATIC RTLS4030G (MLFB 6GT2701-5DB13); ANATEL ID 00618-21-09908

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – (www.anatel.gov.br)