

### product type designation

Gateway RTLS4030G FCC

SIMATIC RTLS Gateway RTLS4030G, UWB, phase, FCC.



product brand name	SIMATIC RTLS
Technical Product Detail Page	<a href="https://l.siemens.com/1P6GT2701-5DB13">https://l.siemens.com/1P6GT2701-5DB13</a>
suitability for operation	RTLS4000 with UWB, phase technology
<b>radio frequencies</b>	
operating frequency / 1	3100 ... 7000 MHz; depending on the country approvals
equivalent isotropically radiated power / 1	0.001 ... 0.037 mW
range / 1 / maximum	30 m; Range information for open air applications; always follow the manual
accuracy of localization / 1 / typical	0.1 m
protocol / 1 / with radio transmission	IEEE 802.15.4-2015 UWB HRP PHY
transfer rate / 1 / with radio transmission / maximum	850 kbit/s
operating frequency / 2	2400 ... 2480 MHz; depending on the country approvals
equivalent isotropically radiated power / 2	0.022 ... 100 mW
range / 2 / maximum	500 m; Range information for open air applications; always follow the manual
accuracy of localization / 2 / typical	3 m
protocol / 2 / with radio transmission	IEEE 802.15.4
transfer rate / 2 / with radio transmission / maximum	1000 kbit/s
<b>interfaces</b>	
standard for interfaces / for communication	Ethernet, MESH Network
type of electrical connection	
<ul style="list-style-type: none"> <li>for supply voltage</li> <li>for communications interface</li> <li>at the digital inputs/outputs</li> </ul>	Bulgin PX0412/03P, 3-pin connector, PoE over RJ45 acc. to IEEE 802.3af RJ45, Amphenol LTW RCP-5SPFFHTCU7001 Bulgin PX0412/03P, 3-pin connector
number of digital inputs	0
number of digital outputs	1
<b>mechanical data</b>	
material	ASA+PC
color	titanium gray
<b>supply voltage, current consumption, power loss</b>	
supply voltage / at DC	
<ul style="list-style-type: none"> <li>rated value</li> <li></li> </ul>	24 V 8 ... 30 V
consumed current / at DC	
<ul style="list-style-type: none"> <li>at 24 V / maximum</li> </ul>	0.38 A
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-15 ... +50 °C -15 ... +50 °C -15 ... +50 °C

protection class IP	IP65
<b>design, dimensions and weights</b>	
width	180 mm
height	48 mm
depth	180 mm
net weight	0.65 kg
fastening method	3 M4 screws
<b>product features, product functions, product components / general</b>	
display version	3 LEDs
protocol / is supported / Media Redundancy Protocol (MRP)	No
protocol / is supported	
• LLDP	No
• PROFINET IO protocol	No
• TCP/IP	Yes
• SNMP v1	No
• SNMP v2	No
• SNMP v3	No
• DCP	No
• EtherNet/IP protocol	No
• OPC UA	No
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	EU conformity according to RED, RoHS, FCC
certificate of suitability	
• IECEx	No
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO <sub>2</sub> eq]	
• total	144.37 kg
• during manufacturing	12.12 kg
• during operation	131.41 kg
• after end of life	0.84 kg
<b>accessories</b>	
accessories	Corner mount bracket, mounting plate for ceiling suspension
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: RTLS country approval	<a href="https://www.siemens.com/rtls-approvals">https://www.siemens.com/rtls-approvals</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase

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## Approvals / Certificates

General Product Approval

Radio Equipment  
Type Approval Certificate



[China RoHS](#)

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[Miscellaneous](#)

## Environment



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