

product type designation

Gateway RTLS4030G FCC

SIMATIC RTLS Gateway RTLS4030G, UWB, phase, FCC.



Technical Product Detail Page

<https://l.siemens.com/1P6GT2701-5DB13>

suitability for operation

RTLS4000 with UWB, phase technology

radio frequencies

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

interfaces

standard for interfaces / for communication	Ethernet, MESH Network
type of electrical connection	
<ul style="list-style-type: none"> for supply voltage for communications interface at the digital inputs/outputs 	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

mechanical data

material	ASA+PC
color	titanium gray

supply voltage, current consumption, power loss

supply voltage / at DC	
<ul style="list-style-type: none"> rated value 	24 V 8 ... 30 V
consumed current / at DC	
<ul style="list-style-type: none"> at 24 V / maximum 	0.38 A

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	-15 ... +50 °C -15 ... +50 °C -15 ... +50 °C
protection class IP	IP65

design, dimensions and weights	
width	180 mm
height	48 mm
depth	180 mm
net weight	0.65 kg
fastening method	3 M4 screws
product features, product functions, product components / general	
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
standards, specifications, approvals	
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
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	144.37 kg
• during manufacturing	12.12 kg
• during operation	131.41 kg
• after end of life	0.84 kg
accessories	
accessories	Corner mount bracket, mounting plate for ceiling suspension
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: RTLS country approval	https://www.siemens.com/rtls-approvals
• to web page: identification and localization systems	https://www.siemens.com/ident
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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 www.siemens.com/cybersecurity-industry . 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 customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under

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