



SIMATIC RTLS Gateway RTLS4030G, UWB, phase, CMIIT.

Technical Product Detail Page	https://i.siemens.com/1P6GT2701-5DB23
suitability for operation	RTLS4000 with UWB, phase technology
radio frequencies	
operating frequency / 1	6000 ... 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	
• for supply voltage	Bulgin PX0412/03P, 3-pin connector, PoE over RJ45 acc. to IEEE 802.3af
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	
• rated value	24 V
•	8 ... 30 V
consumed current / at DC	
• at 24 V / maximum	0.38 A
ambient conditions	
ambient temperature	
• during operation	-15 ... +50 °C
• during storage	-15 ... +50 °C
• during transport	-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, CMIIT
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: RFID country approval	https://www.siemens.com/rfid-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	
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Approvals / Certificates	
General Product Approval	Radio Equipment Environment



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