

product type designation

Gateway RTLS4030G FCC

SIMATIC RTLS Gateway RTLS4030G, UWB, phase, FCC.



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
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	Ti gray

supply voltage, current consumption, power loss

supply voltage	
<ul style="list-style-type: none"> at DC / rated value at DC 	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	Three 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
accessories	
accessories	Corner mount bracket, mounting plate for ceiling suspension
further information / internet links	
internet link	
• to website: Industrial communication	http://www.siemens.com/simatic-rtls
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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