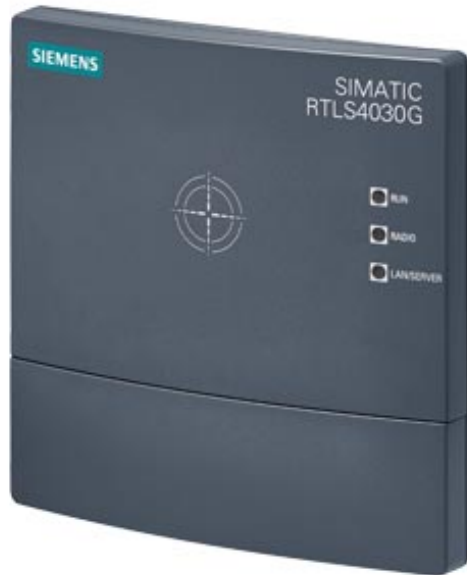


Product type designation

Gateway RTLS4030G

SIMATIC RTLS Gateway RTLS4030G, UWB, Phase



Suitability for operation	RTLS4000 with UWB, phase technology
Radio frequencies	
Operating frequency / 1	3100 ... 7000 MHz
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	0.2 m
Protocol / 1 / with radio transmission	IEEE 802.15.4-2011 UWB
Transfer rate / 1 / with radio transmission / maximum	6800 kbit/s
Operating frequency / 2	2400 ... 2480 MHz
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	1 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 	Bulgin PX0412/03P, 3-pin connector, PoE over RJ45 acc. to IEEE 802.3af
<ul style="list-style-type: none"> • for communications interface 	RJ45, Amphenol LTW RCP-5SPFFHTCU7001
<ul style="list-style-type: none"> • at the digital inputs/outputs 	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 	24 V
<ul style="list-style-type: none"> • at DC 	8 ... 30 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> • maximum 	0.38 A

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-15 ... +50 °C
<ul style="list-style-type: none"> • during storage 	-15 ... +50 °C
<ul style="list-style-type: none"> • 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
Mounting type	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	
<ul style="list-style-type: none"> • LLDP 	No
<ul style="list-style-type: none"> • PROFINET IO protocol 	No
<ul style="list-style-type: none"> • TCP/IP 	Yes
<ul style="list-style-type: none"> • SNMP v1 	No
<ul style="list-style-type: none"> • SNMP v2 	No
<ul style="list-style-type: none"> • SNMP v3 	No
<ul style="list-style-type: none"> • DCP 	No
<ul style="list-style-type: none"> • EtherNet/IP protocol 	No

• OPC UA	No
Product feature / silicon-free	Yes
Standards, specifications, approvals	
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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