SIEMENS

Data sheet 6GT2831-6BB00

SIMATIC RF1000 Access control Reader RF1170R; ISO 14443 A/B Mifare, ISO15693 Legic Prime; Legic Advant Power over Ethernet, 24 V RJ45 IP65 front, -25 to +55 °C; 90 x 62 x 42 mm LxWxH; with integrated antenna, .



product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2831-6BB00
suitability for operation	Legic, ISO 15693 and ISO 14443 A/B transponder, for connection in the system landscape
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	0.03 m; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B, chip set: SM4200M, Felica, NXP NTAG21x, HID iClass
transfer rate / with radio transmission / maximum	106 kbit/s
product feature / multitag-capable	Yes
operating frequency / 1	2.4 GHz (only for BLE support)
interfaces	
standard for interfaces / for communication	TCP IP (XML) / ModbusTCP / RJ 45
mechanical data	
material	PC-GF
color	titanium gray
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
supply voltage, current consumption, power loss	
supply voltage / at DC	
● rated value	24 V
●	20 ... 30 V
ambient conditions	
ambient temperature	
● during operation	-25 ... +55 °C
● during storage	-25 ... +55 °C
● during transport	-25 ... +55 °C
protection class IP	IP65; on front after cabinet installation, IP20 rear
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	300 m/s²
vibrational acceleration	50 m/s²
design, dimensions and weights	
width	90 mm
height	62 mm
depth	45.5 mm
net weight	0.17 kg
fastening method	4 stud bolts M4 for cabinet installation
product features, product functions, product components / general	

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display version	3-color LED
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus
certificate of suitability	
● IECEx	No
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
accessories	
accessories	Card Holder, Cleanroom-Cover
further information / internet links	
● internet link / to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● internet link / to web page: RFID country approval	https://www.siemens.com/rfid-approvals
● internet link / to web page: identification and localization systems	https://www.siemens.com/ident
● internet link / to web page: SiePortal	https://sieportal.siemens.com/
● internet link / to website: Image database	https://www.automation.siemens.com/bilddb
● internet link / to website: CAx-Download-Manager	https://www.siemens.com/cax
● internet link / 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 https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

CE EG-Konf.	UKCA	RCM	Type Examination Certificate	China RoHS	CE EG-Konf.

General Product Approval	EMV	Radio Equipment Type Approval Certificate			
UKCA	KC	Miscellaneous	Miscellaneous	FCC	Miscellaneous

Radio Equipment Type Approval Certificate	Environment	Industrial Communication
Miscellaneous	EPD	Miscellaneous

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