

SIMATIC RF1000 Access Control Reader RF1140R; LF 125 kHz, HITAG 1/2/S, EM41xx, HF, ISO 14443 A/B, ISO15693; Power over Ethernet, 24 V RJ45 IP65 front, -25 to +55 °C; 90 x 62 x 25 mm LxWxH; with integrated antenna, .



Technical Product Detail Page	<a href="https://i.siemens.com/1P6GT2831-6CB00">https://i.siemens.com/1P6GT2831-6CB00</a>
suitability for operation	HiTag 1/2/S, EM4xxx, ISO 15693 and ISO 14443 A/B transponder, for connection in the system landscape
<b>radio frequencies</b>	
operating frequency	0.125 ... 13.56 MHz
range / maximum	0.03 m; Range is dependent on transponder type: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
protocol / with radio transmission	HiTag 1/2/S, EM41xx/45xx, EKS key, ISO 15693, ISO 14443 A/B, Felica, NXP NTAG21x, HID iClass
transfer rate / with radio transmission / maximum	424 kbit/s
product feature / multitag-capable	Yes
operating frequency / 1	2.4 GHz (only for BLE support)
<b>interfaces</b>	
standard for interfaces / for communication	TCP IP (XML) / ModbusTCP / RJ 45
<b>mechanical data</b>	
material	PC-GF
color	titanium gray
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
<b>supply voltage, current consumption, power loss</b>	
supply voltage / at DC	
• rated value	24 V
•	20 ... 30 V
<b>ambient conditions</b>	
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/s <sup>2</sup>
vibrational acceleration	50 m/s <sup>2</sup>
<b>design, dimensions and weights</b>	
width	90 mm
height	62 mm
depth	45.5 mm
net weight	0.17 kg
fastening method	4 stud bolts M4 for cabinet installation
<b>product features, product functions, product components / general</b>	
display version	3-color LED

product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus
certificate of suitability <ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>accessories</b>	
accessories	card holder, clean room cover, HID license card
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: RFID country approval</li> <li>• to web page: identification and localization systems</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/rfid-approvals">https://www.siemens.com/rfid-approvals</a> <a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)

**Approvals / Certificates**

General Product Approval	Radio Equipment Type Approval Certificate
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[China RoHS](#)



[Type Examination Certificate](#)

[Miscellaneous](#)

**Radio Equipment Type Approval Certificate**

[Miscellaneous](#)

[FCC](#)

last modified:

11/13/2025