



SIMATIC RF600 Reader RF695R CMITT; interface Ethernet RJ45 PoE 8 antennas, 1 digital input/ 1 digital output, 24 V DC; -25 to +55 °C; without accessories and antennas.

Technical Product Detail Page

<https://i.siemens.com/1P6GT2811-7DD20-2AA0>

suitability for operation

RFID high-performance reader for use in the warehouse environment for recording high flows of goods.

### radio frequencies

operating frequency	920 ... 925 MHz
transmit power	3 ... 2000 mW
equivalent isotropically radiated power	
• for each external antenna / maximum	4000 mW
range / maximum	10 m; Extended ranges possible, see RF600 System Manual, Range table: <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	EPCglobal Class 1 Gen 2 V2 / ISO/IEC 18000-62
transfer rate / with radio transmission / maximum	640 kbit/s
product feature / multitag-capable	Yes

### interfaces

number of external antennas	8
standard for interfaces / for communication	Ethernet, OPC UA, XML
type of electrical connection	
• for external antenna(s)	RP-TNC
• for supply voltage	terminal block, 4-pole
• at the digital inputs/outputs	RJ45 connector (8-pole)
number of digital inputs	1
number of digital outputs	1

### mechanical data

material	Lexan
color	silver, TI-Grey
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
consumed current / at DC	
• at 24 V / typical	2 A
• at 24 V / maximum	2 A

### ambient conditions

ambient temperature	
• during operation	-25 ... +55 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
ambient condition / for operation	With operating temperature below -20 °C: Warming-up time at least 10 minutes

protection class IP	IP33
shock resistance	EN 60068-2-27, EN 60068-2-6
shock acceleration	250 m/s <sup>2</sup>
vibrational acceleration	30 m/s <sup>2</sup>
resistance to mechanical stress	The maximum values for shock and vibration acceleration must not occur as continuous stress and they apply exclusively to assembly using screws

#### design, dimensions and weights

width	245 mm
height	209 mm
depth	41 mm
net weight	1.4 kg
fastening method	Vesa 100 with 4 screws, DIN rail, mounting hole 4 x M4 screws
wire length	
• of antenna cable / minimum	1 m
• of antenna cable / maximum	40 m

#### product features, product functions, product components / general

display version	3 LEDs
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
protocol / is supported	
• LLDP	No
• PROFINET IO protocol	No
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	Yes
• DCP	Yes
• EtherNet/IP protocol	No
• OPC UA	Yes
product feature / silicon-free	Yes

#### product functions / management, configuration, engineering

type of parameterization	WBM
type of programming	OPC UA, XML
type of computer-switched communication	TCP/IP

#### standards, specifications, approvals

certificate of suitability	wireless acc. to CMIIT, OPC UA: embedded UA Server Profile
certificate of suitability	
• IECEX	No
MTBF	28 a

#### standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	289.45 kg
• during manufacturing	40 kg
• during operation	249 kg
• after end of life	0.45 kg

#### accessories

accessories	up to 8 external antennas, DIN and mounting rail attachment set
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#### further information / internet links

internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: RFID country approval	<a href="https://www.siemens.com/rfid-approvals">https://www.siemens.com/rfid-approvals</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

security information

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Approvals / Certificates

General Product Approval

Environment

[China RoHS](#)



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