## **SIEMENS**

Data sheet 6GK1411-1AC00



SIMATIC Cloud Connect 7, CC 712 IoT Gateway for connection of programmable controllers to cloud services and OPC 2xEthernet RJ45 Field protocols: S7, Modbus MES/Cloud protocols: MQTT, OPC

Transfer rate	
Transfer rate	
• at the 1st interface	10 1000 Mbit/s
• at the 2nd interface	10 1000 Mbit/s
Interfaces	
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	1
• at the 2nd interface / acc. to Industrial Ethernet	1
• for power supply	2
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port
• at the 2nd interface / acc. to Industrial Ethernet	RJ45 port
Type of electrical connection	
• for power supply	5-pin terminal strip
design of the removable storage / C-PLUG	Yes
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	24 V

Supply voltage / external	10.8 28.8 V
Supply voltage / external / at DC / Rated value	24 V
Consumed current	
• from external supply voltage / at 24 V DC	
— in communication mode / typical	180 mA
Power loss [W]	4.3 W
A	
Ambient conditions  Ambient temperature	
• for vertical installation / during operation	0 40 °C
• for horizontally arranged busbars / during	0 60 °C
operation	0 00
during storage	-40 +40 °C
during transport	-40 +70 °C
Relative humidity	
<ul> <li>at 25 °C / without condensation / during</li> </ul>	95 %
operation / maximum	
Protection class IP	IP20
Design, dimensions and weights	
Module format	Compact
Width	35 mm
Height	147 mm
Depth	127 mm
Net weight	0.3 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
● S7-300 rail mounting	Yes
● S7-1500 rail mounting	Yes
wall mounting	Yes
Product functions / Cloud Connectivity	
Protocol / is supported	
Message Queuing Telemetry Transport	Yes
(MQTT)	
<ul> <li>Advanced Message Queuing Protocol (AMQP)</li> </ul>	No
Product function / for cloud connectivity	
<ul><li>trigger management</li></ul>	Yes
• time stamping	Yes
Product feature / for cloud connectivity / Buffered	Yes
message frame memory	

Number of lower-level devices / maximum

Number of data points per device / maximum

1

500

Performance data / as OPC UA server Protocol / is supported / OPC UA Server Number of possible connections / to OPC UA clients / maximum Number of variables (items) / ves Product functions / Diagnostics Yes Product functions / Diagnostics Yes Product functions / Security No Product	Number of possible connections / for S7	
Performance data / as OPC UA server Protocol / is supported / OPC UA Server Number of possible connections / to OPC UA clients / maximum Number of variables (items) / maximum 500  Performance data / as OPC UA client Protocol / is supported / OPC UA Client Product functions / Diagnostics Product functions / Diagnostics Product functions / Security Operating mode / Virtual Private Network (VPN) Product function • password protection for Web applications • SysLog • SysLog  Product functions / time Protocol / is supported • NTP • NTP (secure) • NTP (secure) • Time synchronization • from NTP-server • manual setting  Purther information / Internet-Links Internet-Link  Internet-Link  • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industrial communication • to website: Information and Download Center • to website: Information and Download Center • to website: Image database • to website: Industry Online Support	·	
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time synchronization	• NTP	Yes
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<ul> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx Download Manager</li> <li>to website: Industry Online Support</li> <li>http://www.siemens.com/industry/infocenter</li> <li>http://automation.siemens.com/bilddb</li> <li>http://www.siemens.com/cax</li> <li>http://www.siemens.com/cax</li> <li>https://support.industry.siemens.com</li> </ul>	time synchronization	Yes
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Security information	time synchronization         • from NTP-server         • manual setting  Further information / Internet-Links  Internet-Link         • to website: Selector SIMATIC NET         SELECTION TOOL         • to website: Industrial communication         • to website: Industry Mall         • to website: Information and Download Center         • to website: Image database	Yes Yes  http://www.siemens.com/snst  http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb
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Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Thirdparty products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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