SIEMENS

Data sheet 6GK1411-1AC00

product type designation

Simatic CC712

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

Subject to change without notice
© Copyright Siemens

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

ambient conditions	
ambient temperature	
• for vertical installation / during operation	0 ... 40 °C
• for horizontally arranged busbars / during operation	0 ... 60 °C
• during storage	-40 ... +40 °C
• during transport	-40 ... +70 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
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
fastening method	
• 35 mm top hat 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 (MQTT)	Yes
• Advanced Message Queuing Protocol (AMQP)	No
product function / for cloud connectivity	
• trigger management	Yes
• time stamping	Yes
product feature / for cloud connectivity / buffered message frame memory	Yes
number of lower-level devices / maximum	1
number of data points per device / maximum	500

Subject to change without notice
© Copyright Siemens

performance data / S7 communication	
number of possible connections / for S7 communication	
• maximum	1

performance data / as OPC UA server	
protocol / is supported / OPC UA Server	Yes
number of possible connections / to OPC UA clients / maximum	10
number of variables (items) / maximum	500

performance data / as OPC UA client	
protocol / is supported / OPC UA Client	Yes
number of possible connections / for OPC UA server / maximum	1

product functions / diagnostics	
product function / web-based diagnostics	Yes

product functions / security	
operating mode / Virtual Private Network (VPN)	No
product function	
• password protection for Web applications	Yes
• SysLog	Yes

product functions / time	
protocol / is supported	
• NTP	Yes
• NTP (secure)	Yes
time synchronization	
• from NTP-server	Yes
• manual setting	Yes

further information / internet-Links	
Internet-Link	
• to website: Industrial communication	http://www.siemens.com/simatic-net
• 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

security information

Subject to change without notice
© Copyright Siemens

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. Third-party 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)
last modified:	12/03/2020

Subject to change without notice
© Copyright Siemens