SIEMENS

Data sheet 6GK1411-5AC00

product type designation	**Cloud Connect CC716**



SIMATIC CloudConnect 7, CC716 IoT Gateway for connection of automation devices to cloud services and OPC 2x Ethernet RJ45, 1xMPI/PB Field protocols: S7, S7-Plus, OPC UA, Modbus MES/Cloud protocols: MQTT, HTTP, OPC UA

product brand name	SIMATIC NET
Technical Product Detail Page	https://i.siemens.com/1P6GK1411-5AC00
transfer rate	
transfer rate	
● at the 1st interface	10 ... 1000 Mbit/s
● at the 2nd interface	10 ... 1000 Mbit/s
● at the 1st interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
● at the 1st interface / according to Industrial Ethernet	1
● at the 2nd interface / according to Industrial Ethernet	1
● at the 1st interface / according to PROFIBUS	1
● for power supply	2
type of electrical connection	
● at the 1st interface / according to Industrial Ethernet	RJ45 port
● at the 2nd interface / according to Industrial Ethernet	RJ45 port
type of electrical connection	
● at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS485)
● for power supply	5-pin terminal strip
design of the removable storage	
● CLP	Yes
signal inputs/outputs	
number of electrical connections / for digital input signals	1
number of electrical connections / for digital output signals	1
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
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

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● 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	0.4 kg
fastening method	
● 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 (MQTT)	Yes
● Advanced Message Queuing Protocol (AMQP)	No
● HTTP	Yes
● REST-API	Yes
product function / for cloud connectivity	
● trigger management	Yes
● time stamping	Yes
product feature / for cloud connectivity / buffered message frame memory	Yes
number of active connections / for cloud connectivity	3
number of lower-level devices / maximum	7
number of data points per device / maximum	3500
performance data / PROFIBUS DP	
service / as DP master	
● DPV0	No
● DPV1	No
service / as DP device	
● DPV0	No
● DPV1	No
performance data / S7 communication	
number of possible connections / for S7 communication	
● maximum	7
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	4500
performance data / as OPC UA client	
protocol / is supported / OPC UA Client	Yes
number of possible connections / for OPC UA server / maximum	7
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	

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● from NTP-server	Yes
● manual setting	Yes
standards, specifications, approvals	
certificate of suitability / CE marking	Yes
certificate of suitability / UKCA marking	Yes
certificate of suitability / cULus approval	Yes
certificate of suitability / KC approval	Yes
certificate of suitability / Regulatory Compliance Mark (RCM)	Yes
certificate of suitability / RoHS conformity	Yes
certificate of suitability / EAC approval	Yes
standards, specifications, approvals / hazardous environments / header	
certificate of suitability / ATEX	Yes
certificate of suitability / IECEx	Yes
certificate of suitability / ULhazloc approval	Yes
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
certificate of suitability / FM registration	Yes
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://siemens.com/cax
● 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



General Product Approval		EMV	For use in hazardous locations		
UK CA	China RoHS	KC	ATEX	IECEx	FM

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CCC-Ex

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