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Data sheet   **6GK1411-1AC00**

SIMATIC CloudConnect 7, CC 712 IoT Gateway for connection of programmable controllers to cloud services and OPC 2x Ethernet RJ45 field protocols: S7, S7-Plus, OPC UA, Modbus MES/Cloud protocols: MQTT, HTTP, OPC UA

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 / according to Industrial Ethernet	1
● at the 2nd interface / according to Industrial Ethernet	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	
● for power supply	5-pin terminal strip
design of the removable storage	
● CLP	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
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

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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
● 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	1
number of data points per device / maximum	500
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	1500
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
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
● as marking	Ex nA IIC T4 Gc
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● 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	
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

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