

Simatic Cloud Connect 7, CC 712 IoT Gateway for connection of automation devices to cloud services and OPC 2x Ethernet RJ45
Field protocols: S7, Modbus MES/Cloud protocols: MQTT, OPC



Transmission 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
• 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

Ambient conditions

Ambient temperature	
- for vertical installation / during operation - for horizontally arranged busbars / during operation - during storage - during transport	0 ... 40 °C 0 ... 60 °C -40 ... +40 °C -40 ... +70 °C
Relative humidity	
at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Module format	Compact
Width	35 mm
Height	147 mm
Depth	127 mm
Net weight	0.3 kg
Mounting type	
35 mm DIN rail mounting - S7-300 rail mounting - S7-1500 rail mounting - wall mounting	Yes Yes Yes Yes

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	No
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Product functions / Diagnosis

Product function / Web-based diagnostics	Yes
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Product functions / Security

Suitability for operation / Virtual Private Network	No
Product function	
• password protection for Web applications	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: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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