



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

| transfer rate | |
|--|----------------------------|
| transfer rate | |
| <ul style="list-style-type: none"> at the 1st interface | 10 ... 1000 Mbit/s |
| <ul style="list-style-type: none"> at the 2nd interface | 10 ... 1000 Mbit/s |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| interfaces | |
| number of electrical connections | |
| <ul style="list-style-type: none"> at the 1st interface / according to Industrial Ethernet | 1 |
| <ul style="list-style-type: none"> at the 2nd interface / according to Industrial Ethernet | 1 |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 1 |
| <ul style="list-style-type: none"> for power supply | 2 |
| type of electrical connection | |
| <ul style="list-style-type: none"> at the 1st interface / according to Industrial Ethernet | RJ45 port |
| <ul style="list-style-type: none"> at the 2nd interface / according to Industrial Ethernet | RJ45 port |
| type of electrical connection | |
| <ul style="list-style-type: none"> at the 1st interface / according to PROFIBUS | 9-pin Sub-D socket (RS485) |
| <ul style="list-style-type: none"> for power supply | 5-pin terminal strip |
| design of the removable storage | |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> from external supply voltage / at 24 V DC — in communication mode / typical | 180 mA |
| power loss [W] | 4.3 W |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> for vertical installation / during operation | 0 ... 40 °C |
| <ul style="list-style-type: none"> for horizontally arranged busbars / during operation | 0 ... 60 °C |
| <ul style="list-style-type: none"> during storage | -40 ... +40 °C |
| <ul style="list-style-type: none"> during transport | -40 ... +70 °C |
| relative humidity | |
| <ul style="list-style-type: none"> 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 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 | 7 |
| number of data points per device / maximum | 3500 |
| performance data / PROFIBUS DP | |
| service / as DP master | |
| • DPV0 | No |
| • DPV1 | No |
| service / as DP slave | |
| • 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 | |
| • 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
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/tia-selection-tool>
<http://www.siemens.com/simatic-net>
<https://mall.industry.siemens.com>
<http://www.siemens.com/industry/infocenter>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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