



Figure similar

SCALANCE XC208G (E/IP) manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot; Default EtherNet/IP. IEEE 1588v2 PTP

| product type designation | | SCALANCE XC208G (E/IP def.) |
|--|--|------------------------------------|
| transfer rate | | |
| transfer rate | | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices | | |
| number of electrical ports / maximum | | 8 |
| interfaces / for communication / integrated | | |
| number of electrical connections | | |
| • for network components or terminal equipment | | 8; RJ45 |
| number of 10/100/1000 Mbit/s RJ45 ports / integrated | | |
| • with securing collar | | 8 |
| interfaces / other | | |
| number of electrical connections | | |
| • for operator console | | 1 |
| • for signaling contact | | 1 |
| • for power supply | | 1 |
| type of electrical connection | | |
| • for operator console | | RJ11 |
| • for signaling contact | | 2-pole terminal block |
| • for power supply | | 4-pole terminal block |
| design of the removable storage | | |
| • C-PLUG | | Yes |
| signal inputs/outputs | | |
| operating voltage / of the signaling contacts | | |
| • at DC / rated value | | 24 V |
| operational current / of the signaling contacts | | |
| • at DC / maximum | | 0.1 A |
| supply voltage, current consumption, power loss | | |
| product component / connection for redundant voltage supply | | Yes |
| type of voltage / 1 / of the supply voltage | | DC |
| • supply voltage / 1 / rated value | | 24 V |
| • power loss [W] / 1 / rated value | | 4.3 W |
| • consumed current / 1 / at rated supply voltage / maximum | | 0.26 A |
| • supply voltage / 1 / rated value | | 9.6 ... 31.2 V |
| • consumed current / 1 / maximum | | 0.36 A |
| • type of electrical connection / 1 / for power supply | | 4-pole terminal block |
| • product component / 1 / fusing at power supply input | | Yes |
| • fuse protection type / 1 / at input for supply voltage | | 2.5 A / 125 V |
| ambient conditions | | |
| ambient temperature | | |

| | |
|---|--|
| <ul style="list-style-type: none"> • during operation • during storage • during transport | -40 ... +70 °C -40 ... +85 °C -40 ... +85 °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 | |
| design | compact |
| width | 60 mm |
| height | 147 mm |
| depth | 125 mm |
| net weight | 0.52 kg |
| material / of the enclosure | Polycarbonate (PC-GF10) / pressure die cast aluminum |
| fastening method <ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting | Yes Yes Yes Yes |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s | 50 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product function / QoS according to DSCP | Yes |
| product feature <ul style="list-style-type: none"> • Cut Through switching method • Store & Forward switching method | No Yes |
| product functions / management, configuration, engineering | |
| product function <ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis | Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes |
| PROFINET conformity class | B |
| network load class / according to PROFINET | 3 |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 10240 byte |
| protocol / is supported <ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • BOOTP • GMRP • DCP • LLDP • EtherNet/IP • SNMP v1 • SNMP v2 • SNMP v3 • IGMP (snooping/querier) | Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes |
| identification & maintenance function <ul style="list-style-type: none"> • I&M0 - device-specific information • I&M1 - higher level designation/location designation | Yes Yes |

product functions / diagnostics

| | |
|--------------------------|-----|
| product function | |
| • port diagnostics | Yes |
| • statistics Packet Size | Yes |
| • statistics packet type | Yes |
| • error statistics | Yes |
| • SysLog | Yes |

product functions / VLAN

| | |
|---|-----|
| product function | |
| • VLAN - port based | Yes |
| • VLAN - protocol-based | No |
| • VLAN - IP-based | No |
| number of VLANs / maximum | 257 |
| number of VLANs - dynamic / maximum | 257 |
| number of VLANs / at ring redundancy (HRP; MRP; standby link) | 35 |
| protocol / is supported / GVRP | Yes |

product functions / DHCP

| | |
|------------------|-----|
| product function | |
| • DHCP server | Yes |
| • DHCP client | Yes |
| • DHCP Option 82 | Yes |
| • DHCP Option 66 | Yes |
| • DHCP Option 67 | Yes |

product functions / redundancy

| | |
|---|-----|
| product function | |
| • of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| • ring redundancy | Yes |
| • High Speed Redundancy Protocol (HRP) | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager | Yes |
| • high speed redundancy protocol (HRP) with standby redundancy | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| • media redundancy protocol (MRP) with redundancy manager | Yes |
| • Media Redundancy Protocol Interconnection (MRP-I) | Yes |
| • of the PROFINET IO device / is supported / H-Sync forwarding | Yes |
| • redundancy procedure STP | Yes |
| • redundancy procedure RSTP | Yes |
| • redundancy procedure RSTP+ | Yes |
| • redundancy procedure MSTP | Yes |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| • passive listening | Yes |
| protocol / is supported | |
| • LACP | Yes |

product functions / security

| | |
|---------------------------------------|-----|
| product function | |
| • IEEE 802.1x (radius) | Yes |
| • broadcast/multicast/unicast limiter | Yes |
| • broadcast blocking | Yes |
| protocol / is supported | |
| • SSH | Yes |
| • SSL | Yes |

product functions / time

| | |
|-------------------|-----|
| product function | |
| • SICLOCK support | Yes |

| | |
|--|---|
| <ul style="list-style-type: none"> • NTP-client | Yes |
| <ul style="list-style-type: none"> • SNTP client | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • NTP | Yes |
| <ul style="list-style-type: none"> • SNTP | Yes |
| <ul style="list-style-type: none"> • IEEE 1588 profile default | Yes |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| standards, specifications, approvals | |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes |
| MTBF | 54 a |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 | KF |
| <ul style="list-style-type: none"> • according to IEC 81346-2:2019 | KFE |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| product conformity / according to EMC-guideline | 2014/30/EU |
| standard | |
| <ul style="list-style-type: none"> • for EMC interference emission | EN 61000-6-4, EN 50121-11 |
| <ul style="list-style-type: none"> • for immunity to EMC | EN 61000-6-2, EN 50121-4 |
| certificate of suitability / RoHS conformity | Yes; 2011/65/EU |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • ATEX | Yes; EN 60079-0, EN 60079-15 |
| <ul style="list-style-type: none"> • for ATEX / as marking | II 3 G Ex nA II T4 Gc |
| <ul style="list-style-type: none"> • for ATEX / as certificate | KEMA 07ATEX0145 X |
| <ul style="list-style-type: none"> • IECEx | Yes; IEC 60079-0, IEC 60079-15 |
| <ul style="list-style-type: none"> • for IECEx / as marking | Ex nA II T4 Gc |
| <ul style="list-style-type: none"> • for IECEx / as certificate | IECEx DEK 14.0025X |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard | Yes |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| <ul style="list-style-type: none"> • for cULus HazLoc / as marking | CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 |
| <ul style="list-style-type: none"> • for cULus HazLoc / as File Nr. | E240480 (NWHP, NWHP7) |
| <ul style="list-style-type: none"> • FM registration | Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 |
| <ul style="list-style-type: none"> • for FM / as marking | CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C |
| <ul style="list-style-type: none"> • for FM / as certificate | FM16US0205X |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 | Yes |
| <ul style="list-style-type: none"> • Regulatory Compliance Mark (RCM) | Yes |
| <ul style="list-style-type: none"> • for UL 61010-2-201 / as File Nr. | E85972 (NRAQ, NRAQ7) |
| <ul style="list-style-type: none"> • for UL 60950-1 / as File Nr. | E115352 (NWGQ, NWGQ7) |
| <ul style="list-style-type: none"> • EAC approval | Yes |
| accessories | |
| product extension / optional / C-PLUG | Yes |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| <ul style="list-style-type: none"> • to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> • to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> • to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> • to website: CAX-Download-Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> • 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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