



SCALANCE XC208G EEC managed Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps RJ45 ports; 1x console port; diagnostics LED; redundant power supply; with painted printed circuit boards NAMUR NE21-compliant; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

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|---|------------------------------------|
| product type designation | SCALANCE XC208G EEC |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| 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 |
| ambient conditions | |
| ambient temperature | |

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| <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 |
| product feature / conformal coating | Yes |
| 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 $\leq 0.3\text{ s}$ | 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 Yes |
| PROFINET conformity class | B |
| network load class / acc. 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 | Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes |

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| <ul style="list-style-type: none"> IGMP (snooping/querier) | Yes |
| identification & maintenance function | |
| <ul style="list-style-type: none"> I&M0 - device-specific information | Yes |
| <ul style="list-style-type: none"> I&M1 – higher level designation/location designation | Yes |
| product functions / diagnostics | |
| product function | |
| <ul style="list-style-type: none"> port diagnostics | Yes |
| <ul style="list-style-type: none"> statistics Packet Size | Yes |
| <ul style="list-style-type: none"> statistics packet type | Yes |
| <ul style="list-style-type: none"> error statistics | Yes |
| <ul style="list-style-type: none"> SysLog | Yes |
| product functions / VLAN | |
| product function | |
| <ul style="list-style-type: none"> VLAN - port based | Yes |
| <ul style="list-style-type: none"> VLAN - protocol-based | No |
| <ul style="list-style-type: none"> VLAN - IP-based | No |
| number of VLANs / maximum | 257 |
| number of VLANs - dynamic / maximum | 257 |
| protocol / is supported / GVRP | Yes |
| product functions / DHCP | |
| product function | |
| <ul style="list-style-type: none"> DHCP server | Yes |
| <ul style="list-style-type: none"> DHCP client | Yes |
| <ul style="list-style-type: none"> DHCP Option 82 | Yes |
| <ul style="list-style-type: none"> DHCP Option 66 | Yes |
| <ul style="list-style-type: none"> DHCP Option 67 | Yes |
| product functions / redundancy | |
| product function | |
| <ul style="list-style-type: none"> of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| <ul style="list-style-type: none"> ring redundancy | Yes |
| <ul style="list-style-type: none"> High Speed Redundancy Protocol (HRP) | Yes |
| <ul style="list-style-type: none"> high speed redundancy protocol (HRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> high speed redundancy protocol (HRP) with standby redundancy | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| <ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> Media Redundancy Protocol Interconnection (MRP-I) | Yes |
| <ul style="list-style-type: none"> of the PROFINET IO device / is supported / H-Sync forwarding | Yes |
| <ul style="list-style-type: none"> redundancy procedure STP | Yes |
| <ul style="list-style-type: none"> redundancy procedure RSTP | Yes |
| <ul style="list-style-type: none"> redundancy procedure RSTP+ | Yes |
| <ul style="list-style-type: none"> redundancy procedure MSTP | Yes |
| <ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| <ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| <ul style="list-style-type: none"> passive listening | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> LACP | Yes |
| product functions / security | |
| product function | |
| <ul style="list-style-type: none"> IEEE 802.1x (radius) | Yes |
| <ul style="list-style-type: none"> broadcast/multicast/unicast limiter | Yes |

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| <ul style="list-style-type: none"> • broadcast blocking | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • SSH • SSL | Yes Yes |
| product functions / time | |
| product function | |
| <ul style="list-style-type: none"> • SICLOCK support • NTP-client • SNTP client | Yes Yes Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • NTP • SNTP | Yes 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 y |
| 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 • for immunity to EMC | EN 61000-6-4, EN 50121-10 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 • for ATEX / as marking • for ATEX / as certificate • IECEx • for IECEx / as marking • for IECEx / as certificate • CCC / for hazardous zone according to GB standard • for cULus HazLoc / as marking • for cULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as certificate | Yes; EN 60079-0, EN 60079-15 II 3 G Ex nA II T4 Gc KEMA 07ATEX0145 X Yes; IEC 60079-0, IEC 60079-15 Ex nA II T4 Gc IECEx DEK 14.0025X Yes CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 E240480 (NWHP, NWHP7) Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM16US0205X |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval | Yes Yes E85972 (NRAQ, NRAQ7) E115352 (NWGQ, NWGQ7) 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 • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager | 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 |

security information

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