











SCALANCE XP208PoE EEC, managed IE switch, 8x 10/100 Mbit/s IEC 62443-4-2 certified; M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, dust caps, including electronic manual on CD-ROM, C-plug optional.

| product type designation | |
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| product brand name | SCALANCE |
| product type designation | XP208PoE EEC |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5208-0UA00-5ES6 |
| transfer rate | |
| transfer rate | 10, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 8; M12 |
| number of 10/100 Mbit/s M12-ports (D-coded) | 4 |
| • with PoE | 4 |
| interfaces / other | |
| number of electrical connections | |
| • for operator console | 1 |
| • for signaling contact | 1 |
| • for power supply | 2 |
| type of electrical connection | |
| • for operator console | 5-pole M12 socket (A-coded) |
| • for signaling contact | 5-pole M12 plug (B-coded) |
| • for power supply | 4-pole M12 plug (A-coded) |
| design of the removable storage | |
| • C-PLUG | Yes |
| product function / device replacement with replacement of the storage medium | Yes |
| operating voltage / of the signaling contacts | |
| • at DC / rated value | 54 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 |
| supplied active power / of PSE / with PoE | |
| • per port / maximum | 30 W |
| • total / maximum | 120 W |
| type of voltage / 1 / of the supply voltage | |
| • supply voltage / 1 / rated value | 54 V; XP-200EEC with EN 50155 supports the voltage range 46 ... 57 V DC |
| • power loss [W] / 1 / rated value | 9 W |
| • consumed current / 1 / at rated supply voltage / maximum | 2.5 A |
| • supply voltage / 1 / voltage range | 46 ... 57 |
| • consumed current / 1 / maximum | 2.4 A |

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| <ul style="list-style-type: none"> • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input | 4-pole M12 plug (A-coded) Yes |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport • note | -40 ... +70 °C -40 ... +70 °C -40 ... +70 °C EEC variants with EN 50155 support for 10 minutes: -40 °C ... +85 °C |
| relative humidity | |
| <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP65 |
| design, dimensions and weights | |
| design | compact |
| width | 200 mm |
| height | 200 mm |
| depth | 49 mm |
| net weight | 1.8 kg |
| product feature / conformal coating | Yes |
| material / of the enclosure | Aluminum |
| fastening method | ET200pro module carrier |
| <ul style="list-style-type: none"> • wall mounting | Yes |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of <~0.3~s | 50 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product function | |
| <ul style="list-style-type: none"> • 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 • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed | Yes Yes Yes Yes Yes Yes No Yes Yes Yes No Yes Yes |
| PROFINET conformity class | B |
| network load class / according to PROFINET | III |
| telegram length / for Ethernet / maximum | 1518 byte |
| protocol / is supported | |
| <ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • SFTP • BOOTP • GMRP • DCP • LLDP | Yes Yes Yes Yes Yes No Yes Yes Yes Yes |

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| <ul style="list-style-type: none"> • EtherNet/IP • SNMP v1 • SNMP v2 • SNMP v3 • IGMP (snooping/querier) | 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 <ul style="list-style-type: none"> • port diagnostics • statistics Packet Size • statistics packet type • error statistics • SysLog | Yes Yes Yes Yes Yes |
| product functions / VLAN | |
| product function <ul style="list-style-type: none"> • VLAN - port based • VLAN - protocol-based • VLAN - IP-based | Yes No No |
| number of VLANs / maximum | 257 |
| number of VLANs - dynamic / maximum | 257 |
| number of VLANs / at ring redundancy (HRP; MRP; standby link) | 257 |
| product functions / DHCP | |
| product function <ul style="list-style-type: none"> • DHCP server • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67 | Yes Yes Yes Yes Yes |
| product functions / redundancy | |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • of the PROFINET IO device / is supported / PROFINET system redundancy • ring redundancy • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP+ • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening | Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes No Yes |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| product functions / security | |
| product function <ul style="list-style-type: none"> • IEEE 802.1x (radius) • RADIUS client • broadcast/multicast/unicast limiter • broadcast blocking | Yes Yes Yes Yes |

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| protocol / is supported | |
| • SSH | Yes |
| • SSL | Yes |
| product functions / time | |
| product function | |
| • SICLOCK support | Yes |
| • NTP-client | Yes |
| • SNTP client | Yes |
| protocol / is supported | |
| • NTP | Yes |
| • SNTP | Yes |
| standards, specifications, approvals | |
| certificate of suitability | |
| • CE marking | Yes |
| • UKCA marking | Yes |
| • cULus approval | Yes |
| • KC approval | Yes |
| • Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| • for EMC interference emission | EN 61000-6-4 (Class A) |
| • for immunity to EMC | EN 61000-6-2 |
| • for safety / from CSA and UL | UL 60950-1 E115352, CSA C22.2 No. 60950-1 |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| • ATEX | Yes |
| • UKEX | Yes |
| • IECEx | Yes |
| • CCC / for hazardous zone according to GB standard | Yes |
| • FM registration | Yes |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| • railway application in accordance with EN 50155 | Yes; OT4, ST1, H1, S2, C1, L4, PC2 |
| • railway application in accordance with EN 50121-4 | Yes |
| • railway application in accordance with EN 50124-1 | Yes |
| • fire protection in accordance with EN 45545-2 | Yes; Class HL1 - HL3 |
| • RoHS conformity | Yes |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| • total | 311.08 kg |
| • during manufacturing | 61.47 kg |
| • during operation | 249.34 kg |
| • after end of life | 0.27 kg |
| product functions / general | |
| MTBF | 49 a |
| reference temperature / for MTBF determination | 40 °C |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| further information / internet links | |
| internet link | |
| • to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| • to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| • to website: Industrial communication | https://www.siemens.com/simatic-net |
| • to web page: SiePortal | https://sieportal.siemens.com/ |
| • to website: Image database | https://www.automation.siemens.com/bilddb |
| • to website: CAX-Download-Manager | https://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

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| Approvals / Certificates | | | | | |
| General Product Approval | | | | | |
|  | Declaration of Conformity |  |  | China RoHS |  |
| General Product Approval | | | EMV | For use in hazardous locations | |
| Miscellaneous | Declaration of Conformity |  | TUEV | KC |  |
| For use in hazardous locations | | Test Certificates | | Railway | |
|  | FM | CCC-Ex | Type Test Certificates/Test Report | inspection certificate | Confirmation |
| Environment | | Industrial Communication | | | |
|  | PROFINET | | | | |

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