



SCALANCE X208PRO, managed IE switch, 8x 10/100 Mbit/s M12 ports, IP65/67, 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 | X208PRO |
| transfer rate | |
| transfer rate | 10, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 8 |
| number of 10/100 Mbit/s M12-ports (D-coded) | 8 |
| interfaces / other | |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • for signaling contact | 5-pin M12 socket (B-coded) |
| • for power supply | 4-pin M12 interface (A-coded) |
| design of the removable storage | |
| • C-PLUG | Yes |
| 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 | 4.4 W |
| • supply voltage / 1 / rated value | 18 ... 32 V |
| • consumed current / 1 / maximum | 0.185 A |
| • type of electrical connection / 1 / for power supply | 4-pin M12 interface (A-coded) |
| • product component / 1 / fusing at power supply input | Yes |
| • fuse protection type / 1 / at input for supply voltage | 0.6 A / 60 V |
| ambient conditions | |
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |
| relative humidity | |
| • at 25 °C / without condensation / during operation / maximum | 95 % |

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| protection class IP | IP65/67 |
| design, dimensions and weights | |
| design | compact |
| width | 90 mm |
| height | 125 mm |
| depth | 124 mm |
| net weight | 1 kg |
| fastening method | |
| • 35 mm DIN-rail mounting | Yes |
| • wall mounting | Yes |
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | No |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s | 100 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product functions / management, configuration, engineering | |
| product function | |
| • CLI | Yes |
| • web-based management | Yes |
| • MIB support | Yes |
| • TRAPs via email | Yes |
| • configuration with STEP 7 | Yes |
| • port mirroring | Yes |
| • multiport mirroring | No |
| • with IRT / PROFINET IO switch | No |
| • PROFINET IO diagnosis | Yes |
| • switch-managed | Yes |
| PROFINET conformity class | B |
| protocol / is supported | |
| • Telnet | Yes |
| • HTTP | Yes |
| • HTTPS | Yes |
| • TFTP | Yes |
| • FTP | Yes |
| • BOOTP | No |
| • DCP | Yes |
| • LLDP | Yes |
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| identification & maintenance function | |
| • I&M0 - device-specific information | Yes |
| • I&M1 - higher level designation/location designation | Yes |
| product functions / diagnostics | |
| product function | |
| • port diagnostics | Yes |
| • statistics Packet Size | Yes |
| • statistics packet type | Yes |
| • error statistics | Yes |
| product functions / DHCP | |
| product function | |
| • DHCP client | Yes |
| product functions / redundancy | |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| • media redundancy protocol (MRP) with redundancy manager | Yes |
| • ring redundancy | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager | Yes |

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| <ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy | No |
| <ul style="list-style-type: none"> • passive listening | Yes |
| product functions / security | |
| protocol / is supported | |
| <ul style="list-style-type: none"> • SSH | Yes |
| product functions / time | |
| product function | |
| <ul style="list-style-type: none"> • SICLOCK support | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • NTP • SNTP | No Yes |
| standards, specifications, approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • CE marking • KC approval • Regulatory Compliance Mark (RCM) | Yes Yes Yes |
| standard | |
| <ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL | EN 61000-6-4 (Class A) EN 61000-6-2 UL 60950-1 E115352, CSA C22.2 No. 60950-1 |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration | Yes Yes Yes Yes Yes Yes |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50155 • railway application in accordance with EN 50124-1 • RoHS conformity | No No Yes |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| <ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life | 167.64 kg 29.12 kg 138.29 kg 0.23 kg |
| product functions / general | |
| MTBF | 83 a |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 | KF KFE |
| Warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support | https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com |
| security information | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber |

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Approvals / Certificates

General Product Approval



[Declaration of Con-
formity](#)



[Miscellaneous](#)

| | | |
|-------------------------------|-----|--------------------------------|
| General Product Ap- proval | EMV | For use in hazardous locations |
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[KC](#)



[EM](#)

[CCC-Ex](#)

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|----------------------|-------------|-------------------------------|
| Maritime application | Environment | Industrial Commu- nication |
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[Confirmation](#)



[PROFINET](#)