



SCALANCE XP208, managed IE switch, 8x 10/100 Mbit/s M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, IEC 62443-4-2 certified PROFINET IO device, network management, can be operated in redundant ring, dust caps, including electronic manual on CD-ROM, C-plug optional.

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| product type designation | SCALANCE XP208 |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 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 |
| number of 10/100 Mbit/s M12-ports (D-coded) / integrated | 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 | 5 pin M12 socket (A coded) |
| • for signaling contact | 5-pin M12 connector (B-coded) |
| • for power supply | 4-pin M12 plug (A-coded) |
| 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 | 5 W |
| • consumed current / 1 / at rated supply voltage / maximum | 0.2 A |
| • supply voltage / 1 / rated value | 19.2 ... 28.8 V |
| • consumed current / 1 / maximum | 0.21 A |
| • type of electrical connection / 1 / for power supply | 4-pin M12 plug (A-coded) |
| • product component / 1 / fusing at power supply input | Yes |
| ambient conditions | |
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |

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| 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 |
| 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 functions / management, configuration, engineering | |
| product function | |
| <ul style="list-style-type: none"> CLI | Yes |
| <ul style="list-style-type: none"> web-based management | Yes |
| <ul style="list-style-type: none"> MIB support | Yes |
| <ul style="list-style-type: none"> TRAPs via email | Yes |
| <ul style="list-style-type: none"> configuration with STEP 7 | Yes |
| <ul style="list-style-type: none"> RMON | Yes |
| <ul style="list-style-type: none"> port mirroring | Yes |
| <ul style="list-style-type: none"> multiport mirroring | Yes |
| <ul style="list-style-type: none"> CoS | Yes |
| <ul style="list-style-type: none"> with IRT / PROFINET IO switch | No |
| <ul style="list-style-type: none"> PROFINET IO diagnosis | Yes |
| PROFINET conformity class | B |
| network load class / according to PROFINET | 2 |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 1518 byte |
| protocol / is supported | |
| <ul style="list-style-type: none"> Telnet | Yes |
| <ul style="list-style-type: none"> HTTP | Yes |
| <ul style="list-style-type: none"> HTTPS | Yes |
| <ul style="list-style-type: none"> TFTP | Yes |
| <ul style="list-style-type: none"> FTP | Yes |
| <ul style="list-style-type: none"> BOOTP | No |
| <ul style="list-style-type: none"> DCP | Yes |
| <ul style="list-style-type: none"> LLDP | Yes |
| <ul style="list-style-type: none"> EtherNet/IP | Yes |
| <ul style="list-style-type: none"> SNMP v1 | Yes |
| <ul style="list-style-type: none"> SNMP v2 | Yes |
| <ul style="list-style-type: none"> SNMP v3 | Yes |
| <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 |
| <ul style="list-style-type: none"> loopback diagnostics | Yes |
| product functions / VLAN | |
| product function | |

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| <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 |
| <ul style="list-style-type: none"> • VLAN dynamic | No |
| number of VLANs / maximum | 257 |
| number of VLANs - dynamic / maximum | 257 |
| number of VLANs / at ring redundancy (HRP; MRP; standby link) | 35 |
| 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 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"> • passive listening | Yes |
| product functions / security | |
| product function | |
| <ul style="list-style-type: none"> • RADIUS client | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • SSH | Yes |
| <ul style="list-style-type: none"> • SSL | Yes |
| product functions / time | |
| product function | |
| <ul style="list-style-type: none"> • 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 |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> • for FM | FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X |
| <ul style="list-style-type: none"> • for emitted interference | EN 61000-6-4 (Class A) |
| <ul style="list-style-type: none"> • for interference immunity | EN 61000-6-2 |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes |
| 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 |

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| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| certificate of suitability / RoHS conformity | Yes |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| <ul style="list-style-type: none"> from CSA and UL | ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4, E240480 |
| certificate of suitability | Yes |
| <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> C-Tick KC approval railway application in accordance with EN 50155 railway application in accordance with EN 50124-1 | Yes Yes No No |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) DNV GL Korean Register of Shipping (KRS) Polski Rejestr Statkow (PRS) | Yes Yes Yes Yes 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 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 |
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