



SCALANCE XB208 managed Layer 2 IE switch 8x 10/100 Mbit/s RJ45 ports 1x console port; diagnostics LED redundant power supply IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; DIN-rail mounting; default PROFINET.

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| product type designation | SCALANCE XB208 |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| number of ports / maximum | 8 |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 8; RJ45 |
| interfaces / other | |
| number of electrical connections | |
| • for operator console | 1 |
| • for management purposes | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • for operator console | RJ11 |
| • for management purposes | RJ45 |
| 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 |
| • supply voltage / 1 / rated value | 19.2 ... 28.8 V |
| • consumed current / 1 / maximum | 0.17 A |
| • type of electrical connection / 1 / for power supply | 6-pole terminal block |
| • product component / 1 / fusing at power supply input | Yes |
| ambient conditions | |
| ambient temperature | |
| • during operation | 0 ... 60 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |
| relative humidity | |
| • at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |
| design | Box |
| width | 40 mm |
| height | 117 mm |
| depth | 109 mm |
| net weight | 0.25 kg |

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| material / of the enclosure | Plastic |
| fastening method | Yes |
| <ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting | 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 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 | No |
| <ul style="list-style-type: none"> • CoS | Yes |
| <ul style="list-style-type: none"> • PROFINET IO diagnosis | Yes |
| PROFINET conformity class | B |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 1522 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"> • 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 | |
| <ul style="list-style-type: none"> • VLAN - port based | Yes |
| product functions / DHCP | |
| product function | |
| <ul style="list-style-type: none"> • DHCP client | Yes |
| product functions / redundancy | |
| product function | |
| <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 |

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| 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"> 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"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network | 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"> ACL - MAC-based | Yes |
| <ul style="list-style-type: none"> ACL - port/MAC-based | Yes |
| <ul style="list-style-type: none"> IEEE 802.1x (radius) | Yes |
| <ul style="list-style-type: none"> broadcast/multicast/unicast limiter | Yes |
| <ul style="list-style-type: none"> broadcast blocking | 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"> SNTP | 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 |
| <ul style="list-style-type: none"> for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| <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 |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| certificate of suitability / RoHS conformity | Yes; 2011/65/EU |
| 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 |
| certificate of suitability | |
| <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard | Yes |
| <ul style="list-style-type: none"> for cULus HazLoc / as File Nr. | E240480 (NWHP, NWHP7) |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| <ul style="list-style-type: none"> C-Tick | Yes |
| <ul style="list-style-type: none"> KC approval | Yes |
| further information / internet-Links | |
| Internet-Link | |

- 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>

security information

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