# SIEMENS

| Product type designation | SCALANCE X208 |
|---|---|
| | SCALANCE X208, MANAGED IE SWITCH, 8 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, ERROR SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL |



| Transmission rate | |
|---|---|
| Transfer rate | 10 Mbit/s, 100 Mbit/s |

| Interfaces | |
|---|---|
| Number of electrical/optical connections | |
| • for network components or terminal equipment / maximum | 8 |
| Type of electrical connection | |
| • for network components or terminal equipment | RJ45 port |

| Interfaces / for communication / integrated | |
|---|---|
| Number of electrical connections / for network components or terminal equipment | 8 |
| Number of 100 Mbit/s SC ports | |
| • for multimode | 0 |
| Number of 1000 Mbit/s LC ports | |
| • for multimode | 0 |
| • for single mode (LD) | 0 |

| Interfaces / others | |
|---|---|

| | |
|---|---|
| Number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| • for redundant voltage supply | 1 |
| Type of electrical connection | |
| • 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 |
| Operating current / of the signaling contacts | |
| • at DC / maximum | 0.1 A |

## Supply voltage, current consumption, power loss

| | |
|---|---|
| Type of voltage / of the supply voltage | DC |
| Supply voltage | |
| • external | 24 V |
| • external | 18 ... 32 V |
| Product component / fusing at power supply input | Yes |
| Fuse protection type / at input for supply voltage | 0.6 A / 60 V |
| Consumed current / maximum | 0.185 A |
| Power loss [W] | |
| • at DC / at 24 V | 3.84 W |

## Permitted ambient conditions

| | |
|---|---|
| Ambient temperature | |
| • during operation | -40 ... +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 | IP30 |

## Design, dimensions and weight

| | |
|---|---|
| Design | compact |
| Width | 60 mm |
| Height | 125 mm |
| Depth | 124 mm |
| Net weight | 0.78 kg |
| Mounting type | |
| • 35 mm DIN rail mounting | Yes |

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| | |
|---|---|
| • wall mounting | Yes |
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | No |

| Product properties, functions, components / general | |
|---|---|
| Cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s | 100 |
| Cascading in cases of star topology | any (depending only on signal propagation time) |

| Product functions / management, configuration | |
|---|---|
| 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 |
| Protocol / is supported | |
| • Telnet | Yes |
| • HTTP | Yes |
| • HTTPS | Yes |
| • TFTP | Yes |
| • FTP | Yes |
| • BOOTP | No |
| • DCP | Yes |
| • LLDP | Yes |
| Identification & maintenance function | |
| • I&M0 - device-specific information | Yes |
| • I&M1 – higher-level designation/location designation | Yes |
| Protocol / is supported | |
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |

| Product functions / Diagnosis | |
|---|---|
| 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

| Product function | |
|---|---|
| • Ring redundancy | Yes |
| • High Speed Redundancy Protocol (HRP) | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager | Yes |
| • high speed redundancy protocol (HRP) with standby redundancy | No |
| Protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| Product function | |
| • media redundancy protocol (MRP) with redundancy manager | Yes |
| • Passive listening | Yes |

## Product functions / Security

| Protocol / is supported | |
|---|---|
| • SSH | Yes |

## Product functions / Time

| Product function | |
|---|---|
| • SICLOCK support | Yes |
| Protocol / is supported | |
| • NTP | No |
| • SNTP | Yes |

## Standards, specifications, approvals

| Standard | |
|---|---|
| • for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 |
| • for hazardous zone | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| • for hazardous zone / 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 |
| • for emitted interference | EN 61000-6-4 (Class A) |
| • for interference immunity | EN 61000-6-2 |
| Certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| • CE marking | Yes |
| • C-Tick | Yes |

| | |
|---|---|
| • KC approval | Yes |
| • Railway application in accordance with EN 50155 | No |
| • Railway application in accordance with EN 50124-1 | No |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • Bureau Veritas (BV) | Yes |
| • Det Norske Veritas (DNV) | Yes |
| • Germanische Lloyd (GL) | Yes |
| • Lloyds Register of Shipping (LRS) | Yes |
| • Nippon Kaiji Kyokai (NK) | Yes |
| • Polski Rejestr Statkow (PRS) | Yes |
| • Royal Institution of Naval Architects (RINA) | No |
| MTBF / at 40 °C | 83.71 y |

## Further Information / Internet Links

| Internet-Link | |
|---|---|
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

## Security information

| Security information | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept.  With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept.  Third-party products that may be in use should also be considered.  For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter.  For more information, visit http://support.automation.siemens.com. (V3.4) |
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16.12.2015