



SCALANCE X200-4PIRT managed IE IRT switch, 4x 100 Mbit/s POF SC RJ ports, Error signaling contact with set pushbutton, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional.

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|---|-----------------------------|
| product type designation | SCALANCE X200-4P IRT |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices | |
| number of optical ports / maximum | 4 |
| interfaces / for communication / integrated | |
| number of 100 Mbit/s SC-RJ-ports / for POF FOC | |
| • with push-pull connection system | 4 |
| interfaces / other | |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power 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 |
| operational current / of the signaling contacts | |
| • at DC / maximum | 0.1 A |
| supply voltage, current consumption, power loss | |
| type of voltage / 1 / of the supply voltage | DC |
| • supply voltage / 1 / rated value | 24 V |
| • power loss [W] / 1 / rated value | 9.6 W |
| • supply voltage / 1 / rated value | 18 ... 32 V |
| • consumed current / 1 / maximum | 0.4 A |
| • type of electrical connection / 1 / for power supply | 4-pole terminal block |
| • product component / 1 / fusing at power supply input | Yes |
| • fuse protection type / 1 / at input for supply voltage | 1.1 A / 33 V |
| ambient conditions | |
| ambient temperature | |
| • during operation | -25 ... +40 °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 weights | |
|---|---|
| design | compact |
| width | 60 mm |
| height | 125 mm |
| depth | 124 mm |
| net weight | 0.78 kg |
| fastening method | |
| • 35 mm top hat 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 $\leq 0.3\text{ s}$ | 50 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product functions / management, configuration, engineering | |
| product function | |
| • CLI | Yes |
| • web-based management | Yes |
| • MIB support | Yes |
| • TRAPs via email | Yes |
| • configuration with STEP 7 | Yes |
| • port mirroring | No |
| • multiport mirroring | No |
| • with IRT / PROFINET IO switch | Yes |
| • PROFINET IO diagnosis | Yes |
| PROFINET conformity class | C |
| network load class / according to PROFINET | 2 |
| product function / switch-managed | Yes |
| 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 | |
| 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 | 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 for Planned Duplication (MRPD) | Yes |
| <ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| <ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | 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 | No |
| <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, FM16US0205X |
| <ul style="list-style-type: none"> for emitted interference | EN 61000-6-4:2001 |
| <ul style="list-style-type: none"> for interference immunity | EN 61000-6-2:2001 |
| MTBF | 73.06 a |
| 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 |
| 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 | |
| <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard | Yes |
| <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| <ul style="list-style-type: none"> for cULus HazLoc / as File Nr. | E240480 (NWHP, NWHP7) |
| standards, specifications, approvals / other | |
| certificate of suitability | EN 61000-6-2:2001, EN 61000-6-4:2001 |
| <ul style="list-style-type: none"> C-Tick | Yes |
| <ul style="list-style-type: none"> KC approval | Yes |
| <ul style="list-style-type: none"> railway application in accordance with EN 50155 | No |
| <ul style="list-style-type: none"> railway application in accordance with EN 50124-1 | No |
| 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 | http://www.siemens.com/tia-selection-tool |
| <ul style="list-style-type: none"> to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| <ul style="list-style-type: none"> to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> to website: CAX-Download-Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
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