



SCALANCE X204RNA EEC; redundant network access 2x 100 Mbit/s RJ45 ports; 2x 100 Mbit/s combo ports; LED diagnostics; error signaling contact with set pushbutton; simple power supply; network management; including electronic manual on CD-ROM, C-PLUG optional for PRP and HSR networks;.

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| product type designation | SCALANCE X204RNA EEC |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices | |
| number of electrical ports / maximum | 4 |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 2 |
| number of combo ports / with RJ45 interface for optical plug-in transceiver | 2 |
| interfaces / other | |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • for signaling contact | 3-pole terminal block |
| • for power supply | 3-pole terminal block |
| design of the removable storage | |
| • C-PLUG | Yes |
| signal inputs/outputs | |
| operating voltage / of the signaling contacts | |
| • at AC / rated value | 230 V |
| • at DC / rated value | 24 V |
| operational current / of the signaling contacts | |
| • at AC / maximum | 0.1 A |
| • 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 | 6 W |
| • supply voltage / 1 / rated value | 85 ... 276 V |
| • consumed current / 1 / maximum | 0.25 A |
| • type of electrical connection / 1 / for power supply | 3-pole terminal block |
| • product component / 1 / fusing at power supply input | Yes |
| • fuse protection type / 1 / at input for supply voltage | 1.25 A |
| type of voltage / 2 / of the supply voltage | |
| • supply voltage / 2 / rated value | 85 ... 276 V |
| ambient conditions | |
| ambient temperature | |
| • during operation | -40 ... +70 °C |

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| <ul style="list-style-type: none"> during storage during transport note | -40 ... +70 °C -40 ... +70 °C A maximum operating temperature of +85 °C is permissible for a duration of 16 hours |
| relative humidity <ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |
| design | compact |
| width | 70 mm |
| height | 147 mm |
| depth | 123 mm |
| net weight | 0.78 kg |
| product feature / conformal coating | Yes |
| fastening method <ul style="list-style-type: none"> 35 mm top hat DIN rail mounting wall mounting S7-300 rail mounting S7-1500 rail mounting | Yes No No No |
| product functions / management, configuration, engineering | |
| product function <ul style="list-style-type: none"> CLI web-based management MIB support TRAPs via email configuration with STEP 7 port mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis | Yes Yes Yes Yes No No No No No |
| product function / switch-managed | No |
| protocol / is supported <ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP FTP BOOTP GMRP DCP LLDP SNMP v1 SNMP v2 SNMP v3 IGMP (snooping/querier) | No Yes Yes No No No No Yes No Yes Yes Yes No |
| identification & maintenance function <ul style="list-style-type: none"> I&M0 - device-specific information I&M1 - higher level designation/location designation | Yes Yes |
| product functions / diagnostics | |
| product function <ul style="list-style-type: none"> port diagnostics statistics Packet Size statistics packet type error statistics | Yes Yes Yes Yes |
| product functions / redundancy | |
| product function <ul style="list-style-type: none"> ring redundancy High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with redundancy manager | No No No |

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| <ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy | No |
| protocol / is supported / Media Redundancy Protocol (MRP) | No |
| product function | |
| <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager | No |
| <ul style="list-style-type: none"> • High-availability Seamless Redundancy (HSR) | Yes |
| <ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | Yes |
| <ul style="list-style-type: none"> • High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling | Yes |
| <ul style="list-style-type: none"> • passive listening | No |
| 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 | No |
| 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 safety / from CSA and UL | UL 508 E85972, CSA C22.2 no. 142-M1987 |
| <ul style="list-style-type: none"> • for emitted interference | EN 61000-6-4:2001 (Class A) |
| <ul style="list-style-type: none"> • for interference immunity | EN 61000-6-4:2001 |
| MTBF | 67.64 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 |
| standard | |
| <ul style="list-style-type: none"> • for EMC | IEC 61850, IEEE 1613 |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X |
| standards, specifications, approvals / other | |
| certificate of suitability | 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 | Yes |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 | Yes |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50124-1 | No |
| <ul style="list-style-type: none"> • fire protection in accordance with EN 45545-2 | Yes |
| <ul style="list-style-type: none"> • IEC 61850-3 | Yes |
| <ul style="list-style-type: none"> • IEEE 1613 | Yes |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| <ul style="list-style-type: none"> • French marine classification society (BV) | Yes |
| <ul style="list-style-type: none"> • DNV GL | Yes |
| <ul style="list-style-type: none"> • Korean Register of Shipping (KRS) | Yes |
| <ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) | Yes |
| <ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) | Yes |
| <ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) | Yes |
| <ul style="list-style-type: none"> • Royal Institution of Naval Architects (RINA) | Yes |
| accessories | |
| product extension / optional / C-PLUG | Yes |
| further information / internet links | |

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| <p>internet link</p> <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 | <p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p> |
| security information | |
| <p>security information</p> | <p>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)</p> |

last modified:

8/18/2023 