SIEMENS

## Data sheet 6GK5204-0BA00-2KB2



SCALANCE X204RNA; redundant network access; 4x 100 Mbit/s RJ45 ports; LED diagnostics; error-signaling contact with set push-button; redundant power supply; network management; including electronic manual on CD-ROM, C-PLUG optional for PRP networks;

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| **product type designation** | |
| product brand name | SCALANCE |
| product type designation | X204RNA |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5204-0BA00-2KB2 |
| **transfer rate** | |
| transfer rate | 10, 100 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 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 |
| 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 | 3.5 W |
| ● supply voltage / 1 / voltage range | 19.2 ... 28.8 |
| ● consumed current / 1 / maximum | 0.15 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 | 2,0 A |
| **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 / | 95 % |


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| maximum | |
| protection class IP | IP20 |
| **design, dimensions and weights** | |
| design | compact |
| width | 45 mm |
| height | 100 mm |
| depth | 87 mm |
| net weight | 0.23 kg |
| fastening method | |
| ● 35 mm DIN-rail mounting | Yes |
| ● wall mounting | Yes |
| ● S7-300 rail mounting | No |
| ● S7-1500 rail mounting | No |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● CLI | Yes |
| ● web-based management | Yes |
| ● MIB support | Yes |
| ● TRAPs via email | Yes |
| ● configuration with STEP 7 | No |
| ● port mirroring | No |
| ● multiport mirroring | No |
| ● with IRT / PROFINET IO switch | No |
| ● PROFINET IO diagnosis | No |
| ● switch-managed | No |
| protocol / is supported | |
| ● Telnet | No |
| ● HTTP | Yes |
| ● HTTPS | Yes |
| ● TFTP | No |
| ● FTP | No |
| ● BOOTP | No |
| ● GMRP | No |
| ● DCP | Yes |
| ● LLDP | No |
| ● SNMP v1 | Yes |
| ● SNMP v2 | Yes |
| ● SNMP v3 | Yes |
| ● IGMP (snooping/querier) | No |
| 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 / redundancy** | |
| protocol / is supported / Media Redundancy Protocol (MRP) | No |
| product function | |
| ● media redundancy protocol (MRP) with redundancy manager | No |
| ● ring redundancy | No |
| ● high speed redundancy protocol (HRP) with redundancy manager | No |
| ● high speed redundancy protocol (HRP) with standby redundancy | No |
| ● High-availability Seamless Redundancy (HSR) | No |
| ● Parallel Redundancy Protocol (PRP)/Redundant Network | Yes |


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| Access (RNA) | |
| ● High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling | No |
| ● passive listening | No |
| **product functions / security** | |
| protocol / is supported | |
| ● SSH | Yes |
| **product functions / time** | |
| product function | |
| ● SICLOCK support | No |
| protocol / is supported | |
| ● NTP | No |
| ● SNTP | Yes |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● CE marking | Yes |
| ● KC approval | Yes |
| ● Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| ● for EMC interference emission | EN 61000-6-4:2001 (Class A) |
| ● for immunity to EMC | EN 61000-6-4:2001 |
| ● for safety / from CSA and UL | UL 60950-1 E115352, CSA C22.2 No. 60950-1 |
| **standards, specifications, approvals / hazardous environments** | |
| certificate of suitability | |
| ● ATEX | Yes |
| ● UKEX | Yes |
| ● IECEx | Yes |
| ● CCC / for hazardous zone according to GB standard | Yes |
| ● FM registration | Yes |
| **standards, specifications, approvals / other** | |
| certificate of suitability | |
| ● railway application in accordance with EN 50155 | No |
| ● railway application in accordance with EN 50124-1 | No |
| ● IEC 61850-3 | No |
| ● RoHS conformity | Yes |
| **product functions / general** | |
| MTBF | 92.45 a |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://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 cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly |


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| | recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

## Approvals / Certificates

### General Product Approval

CE EG-Konf. | Declaration of Conformity | CCC | EAC | China RoHS | Manufacturer Declaration

### General Product Approval | EMV

Miscellaneous | RCM | CE EG-Konf. | China RoHS | UKCA | KC

### For use in hazardous locations | Maritime application

IECEx | ATEX | FM | CCC-Ex | Bureau Veritas | DNV

### Maritime application

Lloyd's Register LRS

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