SIEMENS

## Data sheet 6GK5108-2QS00-3AR3

SCALANCE XR108-2PoE WG; unmanaged IE Switch; 19" rack; 8 x 1GE electrical PoE ports; 2 x SFP 10GE port; LED diagnostics power supply 240 V AC (85 – 264 V).



| | |
|---|---|
| **product type designation** | |
| product brand name | SCALANCE |
| product type designation | XR108-2PoE WG |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5108-2QS00-3AR3 |
| **transfer rate** | |
| transfer rate | 10, 100, 1000 Mbit/s |
| transfer rate | 10 Gbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 8; RJ45 |
| ● for Power-over-Ethernet / for network components or terminal equipment | 8 |
| number of 10/100/1000 Mbit/s RJ45 ports | |
| ● with PoE | 8 |
| number of electrical connections | |
| ● for SFP+ | 2 |
| **interfaces / other** | |
| number of electrical connections | |
| ● for power supply | 1 |
| type of electrical connection | |
| ● for power supply | IEC plug C14 |
| **supply voltage, current consumption, power loss** | |
| product component / connection for redundant voltage supply | Yes |
| type of voltage supply / redundant power supply unit | No |
| supplied active power / of PSE / with PoE | |
| ● per port / maximum | 60 W |
| ● total / maximum | 200 W |
| **type of voltage / 1 / of the supply voltage** | AC |
| ● supply voltage / 1 / rated value | 240 V |
| ● supply voltage / 1 / voltage range | 85 ... 264 |
| ● consumed current / 1 / maximum | 4 A |
| ● product component / 1 / fusing at power supply input | Yes |
| ● fuse protection type / 1 / at input for supply voltage | 4 A / 250 V |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | 0 ... 60 °C |
| ● during storage | -40 ... +85 °C |
| ● during transport | -40 ... +85 °C |
| relative humidity | |


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| | |
|---|---|
| ● at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP30 |
| **design, dimensions and weights** | |
| design | 19-inch rack |
| number of modular height units / relating to 19-inch cabinet | 1 |
| width | 482.6 mm |
| height | 43.6 mm |
| depth | 133 mm |
| net weight | 2.9 kg |
| material / of the enclosure | metal |
| fastening method | |
| ● 19-inch installation | Yes |
| ● 35 mm DIN-rail mounting | No |
| ● wall mounting | No |
| ● S7-300 rail mounting | No |
| ● S7-1500 rail mounting | No |
| **product features, product functions, product components / general** | |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● multiport mirroring | No |
| ● CoS | Yes |
| ● switch-managed | No |
| PROFINET conformity class | A |
| **product functions / redundancy** | |
| product function | |
| ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| ● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● CE marking | Yes |
| ● UKCA marking | Yes |
| ● KC approval | Yes |
| ● Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| ● for EMC interference emission | EN 61000-6-4 |
| ● for immunity to EMC | EN 61000-6-2 |
| ● for safety / from CSA and UL | UL 62368-1, CSA C22.2 No. 62368-1 |
| **standards, specifications, approvals / other** | |
| certificate of suitability | |
| ● railway application in accordance with EN 50155 | No |
| ● RoHS conformity | Yes |
| resistance to air pollution / conformity according to ANSI/ISA-71.04 | Yes; G3 |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| ● total | 546.668 kg |
| ● during manufacturing | 80 kg |
| ● during operation | 465 kg |
| ● after end of life | 0.418 kg |
| **product functions / general** | |
| MTBF | 47 a |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **further information / internet links** | |
| internet link | |


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| ● 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**

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|---|---|
| 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 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**

Environmental Product Declaration

| | |
|---|---|
| ● global warming potential [CO2 eq] / during manufacturing | 80 kg |
| ● global warming potential [CO2 eq] / during sales | 1.25 kg |
| ● global warming potential [CO2 eq] / during operation | 465 kg |
| ● global warming potential [CO2 eq] / after end of life | 0.418 kg |
| ● global warming potential [CO2 eq] / total | 546.668 kg |

| Environment | General Product Approval | | | | |
|---|---|---|---|---|---|
| EPD | UKCA | CE EG-Konf. | EAC | Miscellaneous | RCM |

| General Product Approval | Test Certificates |
|---|---|
| China RoHS | Type Test Certificates/Test Report |

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