



SCALANCE XB008 Unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 8x 10/100 Mbit/s twisted pair ports with RJ45 sockets; Manual available as a download .

| product type designation | |
|--|---|
| product brand name | SCALANCE |
| product type designation | XB008 |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5008-0BA10-1AB2 |
| transfer rate | |
| transfer rate | 10, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 8; RJ45 |
| number of 100 Mbit/s SC ports | |
| • for multimode | 0 |
| interfaces / other | |
| number of electrical connections | |
| • for power supply | 1 |
| type of electrical connection | |
| • for power supply | 3-pole terminal block |
| 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 | 2.88 W |
| • supply voltage / 1 / voltage range | 19.2 ... 28.8 |
| • consumed current / 1 / maximum | 0.12 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 | 0,6 A / 60 V |
| type of voltage / 2 / of the supply voltage | AC |
| • supply voltage / 2 / voltage range | 19.2 ... 28.8 |
| ambient conditions | |
| ambient temperature | |
| • during operation | -10 ... +60 °C |
| • during storage | -40 ... +80 °C |
| • during transport | -40 ... +80 °C |
| relative humidity | |
| • at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |
| design | Box |
| width | 45 mm |

| | |
|---|---|
| height | 100 mm |
| depth | 87 mm |
| net weight | 0.18 kg |
| fastening method | |
| • 35 mm DIN-rail mounting | Yes |
| • wall mounting | Yes |
| • S7-1500 rail mounting | No |
| 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 |
| • cULus approval | Yes |
| • KC approval | Yes |
| • Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| • for EMC interference emission | EN 61000-6-4 (Class A) |
| • for immunity to EMC | EN 61000-6-2 |
| • for safety / from CSA and UL | UL 60950-1, CSA C22.2 No. 60950-1 |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| • ATEX | Yes |
| • UKEX | Yes |
| • IECEx | Yes |
| • ULhazloc approval | Yes |
| • CCC / for hazardous zone according to GB standard | Yes |
| • FM registration | Yes |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| • 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 | 114.08 kg |
| • during manufacturing | 7.42 kg |
| • during operation | 106.52 kg |
| • after end of life | 0.14 kg |
| product functions / general | |
| MTBF | 214 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
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.automation.siemens.com/bilddb>

<https://www.siemens.com/cax>

<https://support.industry.siemens.com>

security information

security information

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Approvals / Certificates

Environmental Product Declaration

- | | |
|--|-----------|
| • global warming potential [CO2 eq] / during manufacturing | 7.42 kg |
| • global warming potential [CO2 eq] / during operation | 106.52 kg |
| • global warming potential [CO2 eq] / after end of life | 0.14 kg |
| • global warming potential [CO2 eq] / total | 114.08 kg |

Environment

General Product Approval



[Declaration of Conformity](#)



General Product Approval

EMV

For use in hazardous locations



[China RoHS](#)



For use in hazardous locations

Test Certificates

Industrial Communication



[FM](#)

[CCC-Ex](#)

[Type Test Certificates/Test Report](#)

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