



SCALANCE XF204-2, flat, Managed IE switch, 4x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s FO 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.

| product type designation | |
|---|---|
| product brand name | SCALANCE |
| product type designation | XF204-2 |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5204-2BC00-2AF2 |
| transfer rate | |
| transfer rate | 10, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 4 |
| number of 10/100 Mbit/s RJ45 ports | |
| • with securing collar | 4 |
| number of 100 Mbit/s ST(BFOC) ports | |
| • for multimode | 2 |
| interfaces / other | |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| 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 | |
| • supply voltage / 1 / rated value | 24 V |
| • power loss [W] / 1 / rated value | 5.28 W |
| • supply voltage / 1 / voltage range | 18 ... 32 |
| • consumed current / 1 / maximum | 0.22 A |
| • product component / 1 / fusing at power supply input | Yes |
| ambient conditions | |
| ambient temperature | |
| • during operation | -40 ... +60 °C |
| • during storage | -40 ... +70 °C |
| • during transport | -40 ... +70 °C |
| • note | If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted |
| relative humidity | |

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| <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |
| design | flat |
| width | 75 mm |
| height | 125 mm |
| depth | 73 mm |
| net weight | 0.25 kg |
| fastening method | |
| <ul style="list-style-type: none"> • 35 mm DIN-rail mounting | Yes |
| <ul style="list-style-type: none"> • wall mounting | No |
| <ul style="list-style-type: none"> • S7-300 rail mounting | No |
| <ul style="list-style-type: none"> • S7-1500 rail mounting | No |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{s}$ | 100 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product functions / management, configuration, engineering | |
| product function | |
| <ul style="list-style-type: none"> • CLI | Yes |
| <ul style="list-style-type: none"> • web-based management | Yes |
| <ul style="list-style-type: none"> • MIB support | Yes |
| <ul style="list-style-type: none"> • TRAPs via email | Yes |
| <ul style="list-style-type: none"> • configuration with STEP 7 | Yes |
| <ul style="list-style-type: none"> • port mirroring | Yes |
| <ul style="list-style-type: none"> • multiport mirroring | No |
| <ul style="list-style-type: none"> • with IRT / PROFINET IO switch | No |
| <ul style="list-style-type: none"> • PROFINET IO diagnosis | Yes |
| <ul style="list-style-type: none"> • switch-managed | Yes |
| PROFINET conformity class | B |
| protocol / is supported | |
| <ul style="list-style-type: none"> • Telnet | Yes |
| <ul style="list-style-type: none"> • HTTP | Yes |
| <ul style="list-style-type: none"> • HTTPS | Yes |
| <ul style="list-style-type: none"> • TFTP | Yes |
| <ul style="list-style-type: none"> • FTP | Yes |
| <ul style="list-style-type: none"> • BOOTP | No |
| <ul style="list-style-type: none"> • DCP | Yes |
| <ul style="list-style-type: none"> • LLDP | Yes |
| <ul style="list-style-type: none"> • SNMP v1 | Yes |
| <ul style="list-style-type: none"> • SNMP v2 | Yes |
| <ul style="list-style-type: none"> • SNMP v3 | Yes |
| identification & maintenance function | |
| <ul style="list-style-type: none"> • I&M0 - device-specific information | Yes |
| <ul style="list-style-type: none"> • I&M1 - higher level designation/location designation | Yes |
| product functions / diagnostics | |
| product function | |
| <ul style="list-style-type: none"> • port diagnostics | Yes |
| <ul style="list-style-type: none"> • statistics Packet Size | Yes |
| <ul style="list-style-type: none"> • statistics packet type | Yes |
| <ul style="list-style-type: none"> • error statistics | Yes |
| product functions / DHCP | |
| product function | |
| <ul style="list-style-type: none"> • DHCP client | Yes |
| product functions / redundancy | |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| <ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy | Yes |

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| manager | |
| <ul style="list-style-type: none"> ring redundancy | Yes |
| <ul style="list-style-type: none"> high speed redundancy protocol (HRP) with redundancy manager | Yes |
| <ul style="list-style-type: none"> high speed redundancy protocol (HRP) with standby redundancy | No |
| <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 | |
| certificate of suitability | |
| <ul style="list-style-type: none"> CE marking | Yes |
| <ul style="list-style-type: none"> cULus approval | Yes |
| <ul style="list-style-type: none"> KC approval | Yes |
| <ul style="list-style-type: none"> Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| <ul style="list-style-type: none"> for EMC interference emission | EN 61000-6-4:2001 (Class A) |
| <ul style="list-style-type: none"> for immunity to EMC | EN 61000-6-2:2001 |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| <ul style="list-style-type: none"> ATEX | Yes |
| <ul style="list-style-type: none"> UKEX | Yes |
| <ul style="list-style-type: none"> IECEX | Yes |
| <ul style="list-style-type: none"> ULhazloc approval | Yes |
| <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard | Yes |
| <ul style="list-style-type: none"> FM registration | Yes |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <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 |
| <ul style="list-style-type: none"> RoHS conformity | Yes |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| <ul style="list-style-type: none"> Royal Institution of Naval Architects (RINA) | Yes |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| <ul style="list-style-type: none"> total | 183.07 kg |
| <ul style="list-style-type: none"> during manufacturing | 16.65 kg |
| <ul style="list-style-type: none"> during operation | 165.97 kg |
| <ul style="list-style-type: none"> after end of life | 0.45 kg |
| product functions / general | |
| MTBF | 43.58 a |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| <ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |

- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

- <https://www.siemens.com/simatic-net>
- <https://sieportal.siemens.com/>
- <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

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)



General Product Approval

EMV

For use in hazardous locations

[Miscellaneous](#)



[KC](#)



[FM](#)

For use in hazardous locations

Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application

Environment

Industrial Communication



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