



Figure similar

SCALANCE XC206-2SFP G (E/IP) manageable Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 ports; 2x 1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall; redundancy functions; office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-PLUG slot; default EtherNet/IP. IEEE 1588v2 PTP

| product type designation | | SCALANCE XC206-2SFP G (E/IP def.) |
|--|--|--|
| transfer rate | | |
| transfer rate | | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices | | |
| number of electrical ports / maximum | | 6 |
| number of optical ports / maximum | | 2 |
| interfaces / for communication / integrated | | |
| number of electrical connections | | 6; RJ45 |
| <ul style="list-style-type: none"> for network components or terminal equipment | | |
| number of 10/100/1000 Mbit/s RJ45 ports / integrated | | 6 |
| <ul style="list-style-type: none"> with securing collar | | |
| interfaces / for communication / plug-in | | |
| number of electrical connections | | 2; 1000 Mbit/s SFP plug-in transceiver or 100 Mbit/s via SCALANCE SFP991-1(LD) A |
| <ul style="list-style-type: none"> for SFP | | |
| interfaces / other | | |
| number of electrical connections | | 1 |
| <ul style="list-style-type: none"> for operator console | | |
| <ul style="list-style-type: none"> for signaling contact | | 1 |
| <ul style="list-style-type: none"> for power supply | | 1 |
| type of electrical connection | | RJ11 |
| <ul style="list-style-type: none"> for operator console | | |
| <ul style="list-style-type: none"> for signaling contact | | 2-pole terminal block |
| <ul style="list-style-type: none"> for power supply | | 4-pole terminal block |
| design of the removable storage | | |
| <ul style="list-style-type: none"> C-PLUG | | Yes |
| signal inputs/outputs | | |
| operating voltage / of the signaling contacts | | 24 V |
| <ul style="list-style-type: none"> at DC / rated value | | |
| operational current / of the signaling contacts | | 0.1 A |
| <ul style="list-style-type: none"> at DC / maximum | | |
| supply voltage, current consumption, power loss | | |
| product component / connection for redundant voltage supply | | Yes |
| type of voltage / 1 / of the supply voltage | | DC |
| <ul style="list-style-type: none"> supply voltage / 1 / rated value | | 24 V |
| <ul style="list-style-type: none"> power loss [W] / 1 / rated value | | 6 W |
| <ul style="list-style-type: none"> consumed current / 1 / at rated supply voltage / maximum | | 0.25 A |
| <ul style="list-style-type: none"> supply voltage / 1 / rated value | | 9.6 ... 31.2 V |
| <ul style="list-style-type: none"> consumed current / 1 / maximum | | 0.5 A |

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|--|--|
| <ul style="list-style-type: none"> • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input • fuse protection type / 1 / at input for supply voltage | 4-pole terminal block Yes 2.5 A / 125 V |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport | -40 ... +70 °C -40 ... +85 °C -40 ... +85 °C |
| 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 | 60 mm |
| height | 147 mm |
| depth | 125 mm |
| net weight | 0.52 kg |
| material / of the enclosure | Polycarbonate (PC-GF10) / pressure die cast aluminum |
| 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 Yes Yes Yes |
| product features, product functions, product components / general | |
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s | 50 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product function / QoS according to DSCP | Yes |
| product feature | |
| <ul style="list-style-type: none"> • Cut Through switching method • Store & Forward switching method | No Yes |
| 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 • RMON • SMTP server • port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis | Yes Yes Yes Yes Yes No Yes Yes Yes Yes |
| PROFINET conformity class | B |
| network load class / according to PROFINET | 3 |
| product function / switch-managed | Yes |
| telegram length / for Ethernet / maximum | 10240 byte |
| protocol / is supported | |
| <ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • BOOTP • GMRP • DCP • LLDP • EtherNet/IP • SNMP v1 • SNMP v2 | Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes |

| | |
|---|------------------------------------|
| • SNMP v3 | Yes |
| • IGMP (snooping/querier) | Yes |
| identification & maintenance function | |
| • I&M0 - device-specific information | Yes |
| • I&M1 - higher level designation/location designation | Yes |
| product function | |
| • is supported / identification link | Yes; according to IEC 61406-1:2022 |
| product functions / diagnostics | |
| product function | |
| • port diagnostics | Yes |
| • statistics Packet Size | Yes |
| • statistics packet type | Yes |
| • error statistics | Yes |
| • SysLog | Yes |
| product functions / VLAN | |
| product function | |
| • VLAN - port based | Yes |
| • VLAN - protocol-based | No |
| • VLAN - IP-based | No |
| number of VLANs / maximum | 257 |
| number of VLANs - dynamic / maximum | 257 |
| number of VLANs / at ring redundancy (HRP; MRP; standby link) | 257 |
| protocol / is supported / GVRP | Yes |
| product functions / DHCP | |
| product function | |
| • DHCP server | Yes |
| • DHCP client | Yes |
| • DHCP Option 82 | Yes |
| • DHCP Option 66 | Yes |
| • DHCP Option 67 | Yes |
| product functions / redundancy | |
| product function | |
| • of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| • ring redundancy | Yes |
| • High Speed Redundancy Protocol (HRP) | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager | Yes |
| • high speed redundancy protocol (HRP) with standby redundancy | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| • media redundancy protocol (MRP) with redundancy manager | Yes |
| • Media Redundancy Protocol Interconnection (MRP-I) | Yes |
| • of the PROFINET IO device / is supported / H-Sync forwarding | Yes |
| • redundancy procedure STP | Yes |
| • redundancy procedure RSTP | Yes |
| • redundancy procedure RSTP+ | Yes |
| • redundancy procedure MSTP | Yes |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| • passive listening | Yes |
| protocol / is supported | |
| • LACP | Yes |
| product functions / security | |
| product function | |
| • IEEE 802.1x (radius) | Yes |
| • broadcast/multicast/unicast limiter | Yes |

| | |
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| <ul style="list-style-type: none"> • broadcast blocking | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • SSH | Yes |
| <ul style="list-style-type: none"> • SSL | Yes |
| product functions / time | |
| product function | |
| <ul style="list-style-type: none"> • SICLOCK support | Yes |
| <ul style="list-style-type: none"> • NTP-client | Yes |
| <ul style="list-style-type: none"> • SNTP client | Yes |
| protocol / is supported | |
| <ul style="list-style-type: none"> • NTP | Yes |
| <ul style="list-style-type: none"> • SNTP | Yes |
| <ul style="list-style-type: none"> • IEEE 1588 profile default | Yes |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| standards, specifications, approvals | |
| standard | |
| <ul style="list-style-type: none"> • for FM | FM19US0167X |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes |
| MTBF | 55 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 |
| product conformity / according to EMC-guideline | 2014/30/EU |
| standard | |
| <ul style="list-style-type: none"> • for EMC interference emission | EN 61000-6-4, EN 50121-4 |
| <ul style="list-style-type: none"> • for immunity to EMC | EN 61000-6-2, EN 50121-4 |
| certificate of suitability / RoHS conformity | Yes; 2011/65/EU |
| standards, specifications, approvals / hazardous environments | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • ATEX | Yes; EN 60079-0, EN 60079-15 |
| <ul style="list-style-type: none"> • for ATEX / as marking | II 3 G Ex nA II T4 Gc |
| <ul style="list-style-type: none"> • for ATEX / as certificate | KEMA 07ATEX0145 X |
| <ul style="list-style-type: none"> • IECEx | Yes; IEC 60079-0, IEC 60079-15 |
| <ul style="list-style-type: none"> • for IECEx / as marking | Ex nA II T4 Gc |
| <ul style="list-style-type: none"> • for IECEx / as certificate | IECEx DEK 14.0025X |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard | Yes; GB3836.1, GB3836.8 |
| <ul style="list-style-type: none"> • CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| <ul style="list-style-type: none"> • for cULus HazLoc / as marking | CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 |
| <ul style="list-style-type: none"> • for cULus HazLoc / as File Nr. | E240480 (NWHP, NWHP7) |
| <ul style="list-style-type: none"> • FM registration | Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 |
| <ul style="list-style-type: none"> • for FM / as marking | CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C |
| <ul style="list-style-type: none"> • for FM / as certificate | FM16US0205X |
| standards, specifications, approvals / other | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 | Yes |
| <ul style="list-style-type: none"> • Regulatory Compliance Mark (RCM) | Yes |
| <ul style="list-style-type: none"> • for UL 61010-2-201 / as File Nr. | E85972 (NRAQ, NRAQ7) |
| <ul style="list-style-type: none"> • for UL 60950-1 / as File Nr. | E115352 (NWGQ, NWGQ7) |
| <ul style="list-style-type: none"> • EAC approval | 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"> • Chinese Classification Society (CCS) | Yes |
| <ul style="list-style-type: none"> • DNV GL | Yes |
| <ul style="list-style-type: none"> • Korean Register of Shipping (KRS) | Yes |

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|--|---|--|---|--|--|
| <ul style="list-style-type: none">• Lloyds Register of Shipping (LRS)• Polski Rejestr Statkow (PRS)• Royal Institution of Naval Architects (RINA) | Yes Yes Yes | | | | |
| standards, specifications, approvals / Environmental Product Declaration | | | | | |
| Environmental Product Declaration | Yes | | | | |
| <ul style="list-style-type: none">• Global Warming Potential [CO2 eq] / total• Global Warming Potential [CO2 eq] / during manufacturing• Global Warming Potential [CO2 eq] / during operation• global warming potential [CO2 eq] / after end of life | 153.7 kg 28.4 kg 125.2 kg 0.02 kg | | | | |
| accessories | | | | | |
| product extension / optional / C-PLUG | Yes | | | | |
| further information / internet links | | | | | |
| internet link <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: Selection guide for cables and connectors• to website: Image database• to website: CAX-Download-Manager• to website: Industry Online Support | http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com | | | | |
| security information | | | | | |
| security information | Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity . 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 Security RSS Feed under https://www.siemens.com/cert . (V4.6) | | | | |
| Approvals / Certificates | | | | | |
| General Product Approval | EMC | For use in hazardous locations | | | |
|  UL | Miscellaneous |  RCM | ATEX-Zone 2-Declaration |  IECEx | FM |
| For use in hazardous locations | Declaration of Conformity | | | Marine / Shipping | |
| CCC-Ex |  EG-Konf. |  |  | Miscellaneous |  ABS |
| Marine / Shipping | | | | | other |
|  |  |  |  |  | PROFINET-Certification |



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