



SIPLUS NET SCALANCE XC206-2 based on 6GK5206-2BB00-2AC2 with conformal coating, -40...+70 °C, manageable layer 2 IE switch; 6x 100 Mbps RJ45 ports; 2x 100 Mbps ST/BFOC ports; 1x console port; diagnostics LEDs redundant power supply temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall redundancy functions; office features (RSTP, VLAN, etc.); PROFINET IO device; Ethernet/IP-compliant C-Plug slot;

| product type designation | |
|--|---|
| product brand name | SIPLUS |
| product type designation | XC206-2 |
| Technical Product Detail Page | https://i.siemens.com/1P6AG1206-2BB00-7AC2 |
| transfer rate | |
| transfer rate | 10, 100 Mbit/s |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 6; RJ45 |
| number of 10/100 Mbit/s RJ45 ports | |
| • with securing collar | 6 |
| number of 100 Mbit/s ST(BFOC) ports | |
| • for multimode | 2 |
| transmission method / of the optical interface | 100BaseFX |
| interfaces / other | |
| number of electrical connections | |
| • for operator console | 1 |
| • for signaling contact | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • for operator console | RJ11 |
| • 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 | |
| type of voltage / 1 / of the supply voltage | DC |
| • supply voltage / 1 / rated value | 24 V |
| • power loss [W] / 1 / rated value | 6 W |
| • supply voltage / 1 / voltage range | 9.6 ... 31.2 |
| ambient conditions | |
| ambient temperature / in horizontal mounting position / during operation | -40 ... +70 °C |
| installation altitude / at height above sea level / maximum | 5000 m |
| relative humidity | |

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| <ul style="list-style-type: none"> with condensation / according to IEC 60068-2-38 / maximum | 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation |
| chemical resistance / to commercially available cooling lubricants | Yes; incl. airborne diesel and oil droplets |
| ambient condition / relating to ambient temperature - air pressure - installation altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |
| resistance to biologically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 | Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-6 | Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna) |
| resistance to chemically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| <ul style="list-style-type: none"> conformity according to EN 60721-3-6 | Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); * |
| resistance to mechanically active substances <ul style="list-style-type: none"> conformity according to EN 60721-3-3 conformity according to EN 60721-3-6 | Yes; Class 3S4 incl. sand, dust; * Yes; Class 6S3 incl. sand, dust; * |
| environmental category / according to IEC 60721 / note | * The supplied plug covers must remain in place on the unused interfaces during operation! |
| coating / for equipped printed circuit board / according to EN 61086 | Yes; Class 2 for high availability |
| type of coating / protection against pollution according to EN 60664-3 | Yes; protection of the type 1 |
| type of test / of the coating / according to MIL-I-46058C | Yes; coating discoloration during service life possible |
| product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | Yes; conformal coating, class A |
| protection class IP | IP20 |
| design, dimensions and weights | |
| design | compact |
| width | 60 mm |
| height | 147 mm |
| depth | 125 mm |
| net weight | 0.54 kg |
| material / of the enclosure | Polycarbonate (PC-GF10) / pressure die cast aluminum |
| fastening method <ul style="list-style-type: none"> 35 mm 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 $\le 0.3\text{ s}$ | 50 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| product function <ul style="list-style-type: none"> 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 | Yes Yes Yes Yes Yes Yes No Yes Yes Yes |

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| <ul style="list-style-type: none"> • PROFINET IO diagnosis | Yes |
| <ul style="list-style-type: none"> • switch-managed | Yes |
| PROFINET conformity class | B |
| telegram length / for Ethernet / maximum | 1632 byte |
| 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"> • SFTP | Yes |
| <ul style="list-style-type: none"> • BOOTP | No |
| <ul style="list-style-type: none"> • GMRP | Yes |
| <ul style="list-style-type: none"> • DCP | Yes |
| <ul style="list-style-type: none"> • LLDP | Yes |
| <ul style="list-style-type: none"> • EtherNet/IP | 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 |
| <ul style="list-style-type: none"> • IGMP (snooping/querier) | 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 |
| <ul style="list-style-type: none"> • SysLog | Yes |
| product functions / VLAN | |
| product function | |
| <ul style="list-style-type: none"> • VLAN - port based | Yes |
| <ul style="list-style-type: none"> • VLAN - protocol-based | No |
| <ul style="list-style-type: none"> • 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 |
| product functions / DHCP | |
| product function | |
| <ul style="list-style-type: none"> • DHCP server | Yes |
| <ul style="list-style-type: none"> • DHCP client | Yes |
| <ul style="list-style-type: none"> • DHCP Option 82 | Yes |
| <ul style="list-style-type: none"> • DHCP Option 66 | Yes |
| <ul style="list-style-type: none"> • DHCP Option 67 | 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 manager | Yes |
| <ul style="list-style-type: none"> • of the PROFINET IO device / is supported / H-Sync forwarding | Yes |
| <ul style="list-style-type: none"> • of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| <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 | Yes |
| <ul style="list-style-type: none"> • redundancy procedure STP | Yes |

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| <ul style="list-style-type: none"> • redundancy procedure RSTP | Yes |
| <ul style="list-style-type: none"> • redundancy procedure MSTP | Yes |
| <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 |
| protocol / is supported | |
| <ul style="list-style-type: none"> • LACP | Yes |
| system modification during operation | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| product functions / security | |
| product function | |
| <ul style="list-style-type: none"> • IEEE 802.1x (radius) | Yes |
| <ul style="list-style-type: none"> • RADIUS client | Yes |
| <ul style="list-style-type: none"> • broadcast/multicast/unicast limiter | Yes |
| <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 |
| standards, specifications, approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> • 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 |
| 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"> • RoHS conformity | Yes |
| product functions / general | |
| MTBF | 46 a |
| 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 |
| <ul style="list-style-type: none"> • to website: Industrial communication | https://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> • to web page: SiePortal | https://sieportal.siemens.com/ |
| <ul style="list-style-type: none"> • to website: Image database | https://www.automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> • to website: CAx-Download-Manager | https://www.siemens.com/cax |
| <ul style="list-style-type: none"> • to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
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Approvals / Certificates

General Product Approval

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General Product Approval

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For use in hazardous locations

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For use in hazardous locations



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