



SCALANCE XC206-2SFP G 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; IEEE 1588v2 PTP

| product type designation                                    |                                    |
|-------------------------------------------------------------|------------------------------------|
| product brand name                                          | SCALANCE                           |
| product type designation                                    | XC206-2SFP G                       |
| transfer rate                                               |                                    |
| transfer rate                                               | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / integrated                 |                                    |
| number of electrical connections                            |                                    |
| • for network components or terminal equipment              | 6; RJ45                            |
| number of 10/100/1000 Mbit/s RJ45 ports                     |                                    |
| • with securing collar                                      | 6                                  |
| interfaces / for communication / plug-in                    |                                    |
| number of electrical connections                            |                                    |
| • for SFP                                                   | 2                                  |
| 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             |                                    |
| product component / connection for redundant voltage supply | Yes                                |
| <b>type of voltage / 1 / of the supply voltage</b>          | DC                                 |
| • supply voltage / 1 / rated value                          | 24 V                               |
| • power loss [W] / 1 / rated value                          | 6 W                                |
| • consumed current / 1 / at rated supply voltage / maximum  | 0.25 A                             |
| • supply voltage / 1 / rated value                          | 9.6 ... 31.2 V                     |
| • consumed current / 1 / maximum                            | 0.5 A                              |
| • type of electrical connection / 1 / for power supply      | 4-pole terminal block              |
| • product component / 1 / fusing at power supply input      | Yes                                |
| • fuse protection type / 1 / at input for supply voltage    | 2.5 A/ 125 V                       |
| ambient conditions                                          |                                    |

|                                                                                                       |                                                      |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| ambient temperature                                                                                   |                                                      |
| • during operation                                                                                    | -40 ... +70 °C                                       |
| • during storage                                                                                      | -40 ... +85 °C                                       |
| • during transport                                                                                    | -40 ... +85 °C                                       |
| relative humidity                                                                                     |                                                      |
| • at 25 °C / without condensation / during operation / maximum                                        | 95 %                                                 |
| protection class IP                                                                                   | IP20                                                 |
| <b>design, dimensions and weights</b>                                                                 |                                                      |
| 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                                                                                      |                                                      |
| • 35 mm DIN-rail mounting                                                                             | Yes                                                  |
| • wall mounting                                                                                       | Yes                                                  |
| • S7-300 rail mounting                                                                                | Yes                                                  |
| • S7-1500 rail mounting                                                                               | Yes                                                  |
| <b>product features, product functions, product components / general</b>                              |                                                      |
| cascading in the case of a redundant ring / at reconfiguration time of <math>\leq 0.3\text{ s}</math> | 50                                                   |
| cascading in cases of star topology                                                                   | any (depending only on signal propagation time)      |
| product function                                                                                      |                                                      |
| • QoS according to DSCP                                                                               | Yes                                                  |
| product feature                                                                                       |                                                      |
| • Cut Through switching method                                                                        | No                                                   |
| • Store & Forward switching method                                                                    | Yes                                                  |
| <b>product functions / management, configuration, engineering</b>                                     |                                                      |
| product function                                                                                      |                                                      |
| • CLI                                                                                                 | Yes                                                  |
| • web-based management                                                                                | Yes                                                  |
| • MIB support                                                                                         | Yes                                                  |
| • TRAPs via email                                                                                     | Yes                                                  |
| • configuration with STEP 7                                                                           | Yes                                                  |
| • RMON                                                                                                | Yes                                                  |
| • SMTP server                                                                                         | No                                                   |
| • port mirroring                                                                                      | Yes                                                  |
| • multiport mirroring                                                                                 | Yes                                                  |
| • CoS                                                                                                 | Yes                                                  |
| • PROFINET IO diagnosis                                                                               | Yes                                                  |
| • switch-managed                                                                                      | Yes                                                  |
| PROFINET conformity class                                                                             | B                                                    |
| network load class / according to PROFINET                                                            | 3                                                    |
| telegram length / for Ethernet / maximum                                                              | 10240 byte                                           |
| protocol / is supported                                                                               |                                                      |
| • Telnet                                                                                              | Yes                                                  |
| • HTTP                                                                                                | Yes                                                  |
| • HTTPS                                                                                               | Yes                                                  |
| • TFTP                                                                                                | Yes                                                  |
| • SFTP                                                                                                | Yes                                                  |
| • BOOTP                                                                                               | No                                                   |
| • GMRP                                                                                                | Yes                                                  |
| • DCP                                                                                                 | Yes                                                  |
| • LLDP                                                                                                | Yes                                                  |
| • EtherNet/IP                                                                                         | Yes                                                  |
| • SNMP v1                                                                                             | Yes                                                  |
| • SNMP v2                                                                                             | 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 |
| <b>product functions / diagnostics</b>                                  |     |
| product function                                                        |     |
| • port diagnostics                                                      | Yes |
| • statistics Packet Size                                                | Yes |
| • statistics packet type                                                | Yes |
| • error statistics                                                      | Yes |
| • SysLog                                                                | Yes |
| <b>product functions / VLAN</b>                                         |     |
| 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 |
| <b>product functions / DHCP</b>                                         |     |
| product function                                                        |     |
| • DHCP server                                                           | Yes |
| • DHCP client                                                           | Yes |
| • DHCP Option 82                                                        | Yes |
| • DHCP Option 66                                                        | Yes |
| • DHCP Option 67                                                        | Yes |
| <b>product functions / redundancy</b>                                   |     |
| 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 |
| • of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| • ring redundancy                                                       | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager          | Yes |
| • high speed redundancy protocol (HRP) with standby redundancy          | 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 |
| <b>system modification during operation</b>                             |     |
| product function / configuration in RUN via CiR/H-CiR                   | Yes |
| <b>product functions / security</b>                                     |     |
| product function                                                        |     |
| • IEEE 802.1x (radius)                                                  | Yes |
| • RADIUS client                                                         | Yes |
| • broadcast/multicast/unicast limiter                                   | Yes |
| • broadcast blocking                                                    | Yes |
| protocol / is supported                                                 |     |
| • SSH                                                                   | Yes |
| • SSL                                                                   | Yes |

| product functions / time                                                        |                                                                                                                                         |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| product function                                                                |                                                                                                                                         |
| • SICLOCK support                                                               | Yes                                                                                                                                     |
| • NTP-client                                                                    | Yes                                                                                                                                     |
| • SNTP client                                                                   | Yes                                                                                                                                     |
| protocol / is supported                                                         |                                                                                                                                         |
| • NTP                                                                           | Yes                                                                                                                                     |
| • SNTP                                                                          | Yes                                                                                                                                     |
| • IEEE 1588 profile default                                                     | Yes                                                                                                                                     |
| standards, specifications, approvals                                            |                                                                                                                                         |
| certificate of suitability                                                      |                                                                                                                                         |
| • CE marking                                                                    | Yes                                                                                                                                     |
| • Regulatory Compliance Mark (RCM)                                              | Yes                                                                                                                                     |
| product conformity / according to EMC-guideline                                 | 2014/30/EU                                                                                                                              |
| standard                                                                        |                                                                                                                                         |
| • for EMC interference emission                                                 | EN 61000-6-4, EN 50121-4                                                                                                                |
| • for immunity to EMC                                                           | EN 61000-6-2, EN 50121-4                                                                                                                |
| • for safety / from CSA and UL                                                  | UL 60950-1 E115352, UL-61010-2 E85972                                                                                                   |
| 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                                                      |                                                                                                                                         |
| • railway application in accordance with EN 50121-4                             | Yes                                                                                                                                     |
| • RoHS conformity                                                               | Yes                                                                                                                                     |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes                                                                                                                                     |
| standards, specifications, approvals / marine classification                    |                                                                                                                                         |
| Marine classification association                                               |                                                                                                                                         |
| • American Bureau of Shipping Europe Ltd. (ABS)                                 | Yes                                                                                                                                     |
| • French marine classification society (BV)                                     | Yes                                                                                                                                     |
| • Chinese Classification Society (CCS)                                          | Yes                                                                                                                                     |
| • DNV GL                                                                        | Yes                                                                                                                                     |
| • Korean Register of Shipping (KRS)                                             | Yes                                                                                                                                     |
| • Lloyds Register of Shipping (LRS)                                             | Yes                                                                                                                                     |
| • Polski Rejestr Statkow (PRS)                                                  | Yes                                                                                                                                     |
| • Royal Institution of Naval Architects (RINA)                                  | Yes                                                                                                                                     |
| standards, specifications, approvals / Environmental Product Declaration        |                                                                                                                                         |
| Environmental Product Declaration                                               | Yes                                                                                                                                     |
| global warming potential [CO2 eq]                                               |                                                                                                                                         |
| • total                                                                         | 157.5 kg                                                                                                                                |
| • during manufacturing                                                          | 26.3 kg                                                                                                                                 |
| • during operation                                                              | 130.8 kg                                                                                                                                |
| • after end of life                                                             | 0.4 kg                                                                                                                                  |
| product functions / general                                                     |                                                                                                                                         |
| MTBF                                                                            | 55 a                                                                                                                                    |
| reference code                                                                  |                                                                                                                                         |
| • according to IEC 81346-2                                                      | KF                                                                                                                                      |
| • according to IEC 81346-2:2019                                                 | KFE                                                                                                                                     |
| 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                         | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> |
| • to web page: selection aid TIA Selection Tool                                 | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>                                                         |

- 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](#)



[Miscellaneous](#)

#### General Product Approval

#### EMV

#### For use in hazardous locations

[Declaration of Conformity](#)



[KC](#)



#### For use in hazardous locations

#### Marine / Shipping

[FM](#)

[CCC-Ex](#)



#### Marine / Shipping

#### Environment

[NK / Nippon Kaiji Kyokai](#)



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