



SCALANCE XC206-2SFP G managed 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; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

| product type designation                                    |  | SCALANCE 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 / integrated        |  |                                                                                  |
| • with securing collar                                      |  | 6                                                                                |
| interfaces / for communication / plug-in                    |  |                                                                                  |
| number of electrical connections                            |  |                                                                                  |
| • for SFP                                                   |  | 2; 1000 Mbit/s SFP plug-in transceiver or 100 Mbit/s via SCALANCE SFP991-1(LD) A |
| 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                                                                              |
| signal inputs/outputs                                       |  |                                                                                  |
| 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                 |  | 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                                        |
| <b>ambient conditions</b>                                                      |                                                      |
| 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 top hat 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 <~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                                                                |                                                      |
| • 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                                                  |
| PROFINET conformity class                                                      | B                                                    |
| network load class / acc. to PROFINET                                          | 3                                                    |
| product function / switch-managed                                              | Yes                                                  |
| telegram length / for Ethernet / maximum                                       | 10240 byte                                           |
| protocol / is supported                                                        |                                                      |
| • Telnet                                                                       | Yes                                                  |
| • HTTP                                                                         | Yes                                                  |
| • HTTPS                                                                        | Yes                                                  |
| • TFTP                                                                         | Yes                                                  |
| • BOOTP                                                                        | No                                                   |
| • GMRP                                                                         | Yes                                                  |
| • DCP                                                                          | Yes                                                  |
| • LLDP                                                                         | Yes                                                  |
| • EtherNet/IP                                                                  | Yes                                                  |
| • SNMP v1                                                                      | Yes                                                  |
| • SNMP v2                                                                      | Yes                                                  |
| • SNMP v3                                                                      | Yes                                                  |

|                                                                                                                         |     |
|-------------------------------------------------------------------------------------------------------------------------|-----|
| <ul style="list-style-type: none"> <li>IGMP (snooping/querier)</li> </ul>                                               | Yes |
| identification & maintenance function                                                                                   |     |
| <ul style="list-style-type: none"> <li>I&amp;M0 - device-specific information</li> </ul>                                | Yes |
| <ul style="list-style-type: none"> <li>I&amp;M1 – higher level designation/location designation</li> </ul>              | Yes |
| <b>product functions / diagnostics</b>                                                                                  |     |
| product function                                                                                                        |     |
| <ul style="list-style-type: none"> <li>port diagnostics</li> </ul>                                                      | Yes |
| <ul style="list-style-type: none"> <li>statistics Packet Size</li> </ul>                                                | Yes |
| <ul style="list-style-type: none"> <li>statistics packet type</li> </ul>                                                | Yes |
| <ul style="list-style-type: none"> <li>error statistics</li> </ul>                                                      | Yes |
| <ul style="list-style-type: none"> <li>SysLog</li> </ul>                                                                | Yes |
| <b>product functions / VLAN</b>                                                                                         |     |
| product function                                                                                                        |     |
| <ul style="list-style-type: none"> <li>VLAN - port based</li> </ul>                                                     | Yes |
| <ul style="list-style-type: none"> <li>VLAN - protocol-based</li> </ul>                                                 | No  |
| <ul style="list-style-type: none"> <li>VLAN - IP-based</li> </ul>                                                       | No  |
| number of VLANs / maximum                                                                                               | 257 |
| number of VLANs - dynamic / maximum                                                                                     | 257 |
| number of VLANs / at ring redundancy (HRP; MRP; standby link)                                                           | 35  |
| protocol / is supported / GVRP                                                                                          | Yes |
| <b>product functions / DHCP</b>                                                                                         |     |
| product function                                                                                                        |     |
| <ul style="list-style-type: none"> <li>DHCP server</li> </ul>                                                           | Yes |
| <ul style="list-style-type: none"> <li>DHCP client</li> </ul>                                                           | Yes |
| <ul style="list-style-type: none"> <li>DHCP Option 82</li> </ul>                                                        | Yes |
| <ul style="list-style-type: none"> <li>DHCP Option 66</li> </ul>                                                        | Yes |
| <ul style="list-style-type: none"> <li>DHCP Option 67</li> </ul>                                                        | Yes |
| <b>product functions / redundancy</b>                                                                                   |     |
| product function                                                                                                        |     |
| <ul style="list-style-type: none"> <li>of the PROFINET IO device / is supported / PROFINET system redundancy</li> </ul> | Yes |
| <ul style="list-style-type: none"> <li>ring redundancy</li> </ul>                                                       | Yes |
| <ul style="list-style-type: none"> <li>High Speed Redundancy Protocol (HRP)</li> </ul>                                  | Yes |
| <ul style="list-style-type: none"> <li>high speed redundancy protocol (HRP) with redundancy manager</li> </ul>          | Yes |
| <ul style="list-style-type: none"> <li>high speed redundancy protocol (HRP) with standby redundancy</li> </ul>          | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP)                                                               | Yes |
| product function                                                                                                        |     |
| <ul style="list-style-type: none"> <li>media redundancy protocol (MRP) with redundancy manager</li> </ul>               | Yes |
| <ul style="list-style-type: none"> <li>Media Redundancy Protocol Interconnection (MRP-I)</li> </ul>                     | Yes |
| <ul style="list-style-type: none"> <li>of the PROFINET IO device / is supported / H-Sync forwarding</li> </ul>          | Yes |
| <ul style="list-style-type: none"> <li>redundancy procedure STP</li> </ul>                                              | Yes |
| <ul style="list-style-type: none"> <li>redundancy procedure RSTP</li> </ul>                                             | Yes |
| <ul style="list-style-type: none"> <li>redundancy procedure RSTP+</li> </ul>                                            | Yes |
| <ul style="list-style-type: none"> <li>redundancy procedure MSTP</li> </ul>                                             | Yes |
| <ul style="list-style-type: none"> <li>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>       | Yes |
| <ul style="list-style-type: none"> <li>Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>     | No  |
| <ul style="list-style-type: none"> <li>passive listening</li> </ul>                                                     | Yes |
| protocol / is supported                                                                                                 |     |
| <ul style="list-style-type: none"> <li>LACP</li> </ul>                                                                  | Yes |
| <b>product functions / security</b>                                                                                     |     |
| product function                                                                                                        |     |
| <ul style="list-style-type: none"> <li>IEEE 802.1x (radius)</li> </ul>                                                  | Yes |
| <ul style="list-style-type: none"> <li>broadcast/multicast/unicast limiter</li> </ul>                                   | Yes |

|                                                                                                       |                                                                                                     |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• broadcast blocking</li> </ul>                                | Yes                                                                                                 |
| protocol / is supported                                                                               |                                                                                                     |
| <ul style="list-style-type: none"> <li>• SSH</li> </ul>                                               | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• SSL</li> </ul>                                               | Yes                                                                                                 |
| <b>product functions / time</b>                                                                       |                                                                                                     |
| product function                                                                                      |                                                                                                     |
| <ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul>                                   | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• NTP-client</li> </ul>                                        | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• SNTP client</li> </ul>                                       | Yes                                                                                                 |
| protocol / is supported                                                                               |                                                                                                     |
| <ul style="list-style-type: none"> <li>• NTP</li> </ul>                                               | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• SNTP</li> </ul>                                              | Yes                                                                                                 |
| <b>system modification during operation</b>                                                           |                                                                                                     |
| product function / configuration in RUN via CiR/H-CiR                                                 | Yes                                                                                                 |
| <b>standards, specifications, approvals</b>                                                           |                                                                                                     |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019                       | Yes                                                                                                 |
| MTBF                                                                                                  | 55 y                                                                                                |
| reference code                                                                                        |                                                                                                     |
| <ul style="list-style-type: none"> <li>• acc. to IEC 81346-2</li> </ul>                               | KF                                                                                                  |
| <ul style="list-style-type: none"> <li>• according to IEC 81346-2:2019</li> </ul>                     | KFE                                                                                                 |
| <b>standards, specifications, approvals / CE</b>                                                      |                                                                                                     |
| certificate of suitability / CE marking                                                               | Yes                                                                                                 |
| product conformity / according to EMC-guideline                                                       | 2014/30/EU                                                                                          |
| standard                                                                                              |                                                                                                     |
| <ul style="list-style-type: none"> <li>• for EMC interference emission</li> </ul>                     | EN 61000-6-4, EN 50121-5                                                                            |
| <ul style="list-style-type: none"> <li>• for immunity to EMC</li> </ul>                               | EN 61000-6-2, EN 50121-4                                                                            |
| certificate of suitability / RoHS conformity                                                          | Yes; 2011/65/EU                                                                                     |
| <b>standards, specifications, approvals / hazardous environments</b>                                  |                                                                                                     |
| certificate of suitability                                                                            |                                                                                                     |
| <ul style="list-style-type: none"> <li>• ATEX</li> </ul>                                              | Yes; EN 60079-0, EN 60079-15                                                                        |
| <ul style="list-style-type: none"> <li>• for ATEX / as marking</li> </ul>                             | II 3 G Ex nA II T4 Gc                                                                               |
| <ul style="list-style-type: none"> <li>• for ATEX / as certificate</li> </ul>                         | KEMA 07ATEX0145 X                                                                                   |
| <ul style="list-style-type: none"> <li>• IECEx</li> </ul>                                             | Yes; IEC 60079-0, IEC 60079-15                                                                      |
| <ul style="list-style-type: none"> <li>• for IECEx / as marking</li> </ul>                            | Ex nA II T4 Gc                                                                                      |
| <ul style="list-style-type: none"> <li>• for IECEx / as certificate</li> </ul>                        | IECEx DEK 14.0025X                                                                                  |
| <ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> </ul> | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• for cULus HazLoc / as marking</li> </ul>                     | CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4                                             |
| <ul style="list-style-type: none"> <li>• for cULus HazLoc / as File Nr.</li> </ul>                    | E240480 (NWHP, NWHP7)                                                                               |
| <ul style="list-style-type: none"> <li>• FM registration</li> </ul>                                   | Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004              |
| <ul style="list-style-type: none"> <li>• for FM / as marking</li> </ul>                               | 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"> <li>• for FM / as certificate</li> </ul>                           | FM16US0205X                                                                                         |
| <b>standards, specifications, approvals / other</b>                                                   |                                                                                                     |
| certificate of suitability                                                                            |                                                                                                     |
| <ul style="list-style-type: none"> <li>• railway application in accordance with EN 50121-4</li> </ul> | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• Regulatory Compliance Mark (RCM)</li> </ul>                  | Yes                                                                                                 |
| <ul style="list-style-type: none"> <li>• for UL 61010-2-201 / as File Nr.</li> </ul>                  | E85972 (NRAQ, NRAQ7)                                                                                |
| <ul style="list-style-type: none"> <li>• for UL 60950-1 / as File Nr.</li> </ul>                      | E115352 (NWGQ, NWGQ7)                                                                               |
| <ul style="list-style-type: none"> <li>• EAC approval</li> </ul>                                      | Yes                                                                                                 |
| <b>accessories</b>                                                                                    |                                                                                                     |
| product extension / optional / C-PLUG                                                                 | Yes                                                                                                 |
| <b>further information / internet-Links</b>                                                           |                                                                                                     |
| Internet-Link                                                                                         |                                                                                                     |
| <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>     | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>   |
| <ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>              | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>                         | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| <ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>       | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| <ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>                        | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |

- to website: CAX-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

## security information

### security information

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