



SCALANCE XC206-2G PoE EEC Manage-able Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 54 V DC infeed; 240 W PoE power; can be distributed among all PoE ports; 1 x console port; diagnostics LED, redundant power supply; Temp. range -40 °C to +60 °C; mounting DIN rail/S7 mounting rail/wall; redundancy functions; Office Features (RSTP, VLAN,..); Painted printed circuit boards; PROFINET device; Ethernet/(\*)

| product type designation                                                                       |  | SCALANCE XC206-2G PoE EEC                                                                  |
|------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|
| transfer rate                                                                                  |  |                                                                                            |
| transfer rate                                                                                  |  | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s                                              |
| interfaces / for communication / integrated                                                    |  |                                                                                            |
| number of electrical connections                                                               |  | 6; RJ45                                                                                    |
| <ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul> |  |                                                                                            |
| number of 10/100/1000 Mbit/s RJ45 ports / integrated                                           |  | 4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) |
| <ul style="list-style-type: none"> <li>with securing collar</li> </ul>                         |  | 6                                                                                          |
| <ul style="list-style-type: none"> <li>with securing collar / with PoE</li> </ul>              |  |                                                                                            |
| number of electrical connections                                                               |  | 2                                                                                          |
| <ul style="list-style-type: none"> <li>for SFP</li> </ul>                                      |  |                                                                                            |
| interfaces / for communication / plug-in                                                       |  |                                                                                            |
| number of electrical connections                                                               |  | 2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible      |
| <ul style="list-style-type: none"> <li>for SFP+</li> </ul>                                     |  |                                                                                            |
| interfaces / other                                                                             |  |                                                                                            |
| number of electrical connections                                                               |  | 1                                                                                          |
| <ul style="list-style-type: none"> <li>for operator console</li> </ul>                         |  | 1                                                                                          |
| <ul style="list-style-type: none"> <li>for signaling contact</li> </ul>                        |  |                                                                                            |
| type of electrical connection                                                                  |  | RJ11                                                                                       |
| <ul style="list-style-type: none"> <li>for operator console</li> </ul>                         |  | 2-pole terminal block                                                                      |
| <ul style="list-style-type: none"> <li>for signaling contact</li> </ul>                        |  | 4-pole terminal block                                                                      |
| <ul style="list-style-type: none"> <li>for power supply</li> </ul>                             |  |                                                                                            |
| design of the removable storage                                                                |  | Yes                                                                                        |
| <ul style="list-style-type: none"> <li>C-PLUG</li> </ul>                                       |  |                                                                                            |
| signal inputs/outputs                                                                          |  |                                                                                            |
| operating voltage / of the signaling contacts                                                  |  | 54 V                                                                                       |
| <ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>                          |  |                                                                                            |
| operational current / of the signaling contacts                                                |  | 0.1 A                                                                                      |
| <ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>                              |  |                                                                                            |
| supply voltage, current consumption, power loss                                                |  |                                                                                            |
| product component / connection for redundant voltage supply                                    |  | Yes                                                                                        |
| supplied active power / of PSE / with PoE                                                      |  | 260 W                                                                                      |
| <ul style="list-style-type: none"> <li>total / maximum</li> </ul>                              |  |                                                                                            |
| type of voltage / 1 / of the supply voltage                                                    |  | DC                                                                                         |
| <ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>             |  | 54 V                                                                                       |
| <ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>             |  | 10 W                                                                                       |
| <ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>             |  | 52 ... 57 V                                                                                |

|                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>consumed current / 1 / maximum</li> <li>product component / 1 / fusing at power supply input</li> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>                                                                                                            | 5 A<br>Yes<br>15 A / 125 V                                                                                                                        |
| <b>ambient conditions</b>                                                                                                                                                                                                                                                                                                 |                                                                                                                                                   |
| ambient temperature <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>note</li> </ul>                                                                                                                                                                    | -40 ... +60 °C<br>-40 ... +85 °C<br>-40 ... +85 °C<br>installation position and SFPs used during the operation have to be considered (see manual) |
| installation altitude / at height above sea level / maximum                                                                                                                                                                                                                                                               | 4000 m                                                                                                                                            |
| relative humidity <ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>                                                                                                                                                                                          | 95 %                                                                                                                                              |
| protection class IP                                                                                                                                                                                                                                                                                                       | IP20                                                                                                                                              |
| <b>design, dimensions and weights</b>                                                                                                                                                                                                                                                                                     |                                                                                                                                                   |
| design                                                                                                                                                                                                                                                                                                                    | compact                                                                                                                                           |
| width                                                                                                                                                                                                                                                                                                                     | 60 mm                                                                                                                                             |
| height                                                                                                                                                                                                                                                                                                                    | 147 mm                                                                                                                                            |
| depth                                                                                                                                                                                                                                                                                                                     | 125 mm                                                                                                                                            |
| net weight                                                                                                                                                                                                                                                                                                                | 0.54 kg                                                                                                                                           |
| product feature / conformal coating                                                                                                                                                                                                                                                                                       | Yes                                                                                                                                               |
| material / of the enclosure                                                                                                                                                                                                                                                                                               | Polycarbonate (PC-GF10) / pressure die cast aluminum                                                                                              |
| fastening method <ul style="list-style-type: none"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>S7-300 rail mounting</li> <li>S7-1500 rail mounting</li> </ul>                                                                                                                                    | Yes<br>Yes<br>Yes<br>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 <ul style="list-style-type: none"> <li>Cut Through switching method</li> <li>Store &amp; Forward switching method</li> </ul>                                                                                                                                                                              | No<br>Yes                                                                                                                                         |
| <b>product functions / management, configuration, engineering</b>                                                                                                                                                                                                                                                         |                                                                                                                                                   |
| product function <ul style="list-style-type: none"> <li>CLI</li> <li>web-based management</li> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>SMTP server</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> </ul> | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>No<br>Yes<br>Yes<br>Yes<br>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"> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>GMRP</li> </ul>                                                                                                                                                                  | Yes<br>Yes<br>Yes<br>Yes<br>No<br>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)           | 35  |
| protocol / is supported / GVRP                                          | Yes |
| <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>                                   |     |
| 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                                                                                               |
| <b>product functions / security</b>                                             |                                                                                                   |
| product function                                                                |                                                                                                   |
| • IEEE 802.1x (radius)                                                          | Yes                                                                                               |
| • broadcast/multicast/unicast limiter                                           | Yes                                                                                               |
| • broadcast blocking                                                            | Yes                                                                                               |
| protocol / is supported                                                         |                                                                                                   |
| • SSH                                                                           | Yes                                                                                               |
| • SSL                                                                           | Yes                                                                                               |
| <b>product functions / time</b>                                                 |                                                                                                   |
| product function                                                                |                                                                                                   |
| • SICLOCK support                                                               | Yes                                                                                               |
| • NTP-client                                                                    | Yes                                                                                               |
| • SNTP client                                                                   | Yes                                                                                               |
| protocol / is supported                                                         |                                                                                                   |
| • NTP                                                                           | Yes                                                                                               |
| • SNTP                                                                          | Yes                                                                                               |
| <b>system modification during operation</b>                                     |                                                                                                   |
| product function / configuration in RUN via CiR/H-CiR                           | Yes                                                                                               |
| <b>standards, specifications, approvals</b>                                     |                                                                                                   |
| standard                                                                        |                                                                                                   |
| • for emitted interference                                                      | EN 61000-6-4:2001 (Class A)                                                                       |
| • for interference immunity                                                     | EN 61000-6-2:2001                                                                                 |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes                                                                                               |
| MTBF                                                                            | 37 y                                                                                              |
| reference code                                                                  |                                                                                                   |
| • according to IEC 81346-2                                                      | KF                                                                                                |
| • according to IEC 81346-2:2019                                                 | KFE                                                                                               |
| <b>standards, specifications, approvals / CE</b>                                |                                                                                                   |
| certificate of suitability / CE marking                                         | Yes                                                                                               |
| product conformity / according to EMC-guideline                                 | 2014/30/EU                                                                                        |
| standard                                                                        |                                                                                                   |
| • for EMC interference emission                                                 | EN 61000-6-4, EN 50121-15                                                                         |
| • for immunity to EMC                                                           | 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                                                      |                                                                                                   |
| • ATEX                                                                          | Yes                                                                                               |
| • IECEx                                                                         | Yes                                                                                               |
| • CCC / for hazardous zone according to GB standard                             | Yes                                                                                               |
| • for cULus HazLoc / as marking                                                 | CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4                                           |
| • FM registration                                                               | Yes                                                                                               |
| • for FM / as marking                                                           | CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C                         |
| <b>standards, specifications, approvals / other</b>                             |                                                                                                   |
| certificate of suitability                                                      |                                                                                                   |
| • KC approval                                                                   | Yes                                                                                               |
| • railway application in accordance with EN 50121-4                             | Yes                                                                                               |
| • Regulatory Compliance Mark (RCM)                                              | Yes                                                                                               |
| • for UL 61010-2-201 / as File Nr.                                              | E85972 (NRAQ, NRAQ7)                                                                              |
| • EAC approval                                                                  | Yes                                                                                               |
| <b>accessories</b>                                                              |                                                                                                   |
| product extension / optional / C-PLUG                                           | Yes                                                                                               |
| <b>further information / internet-Links</b>                                     |                                                                                                   |
| Internet-Link                                                                   |                                                                                                   |
| • to web page: selection aid TIA Selection Tool                                 | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a> |
| • to website: Industrial communication                                          | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>               |

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

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## security information

### security information

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