



SCALANCE XC206-2G PoE Manageable 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 ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG slot; IEEE 1588v2 PTP

product type designation	
product brand name	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/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	4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W)
• with securing collar / with PoE	6
number of electrical connections	
• for SFP	2
interfaces / for communication / plug-in	
number of electrical connections	
• for SFP+	2; SFPs with 1000 Mbit/s or 10,000 Mbit/s possible; 100 Mbit/s with SFP991-1(LD) A possible
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	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	54 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
supplied active power / of PSE / with PoE	
• total / maximum	260 W
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	54 V
• power loss [W] / 1 / rated value	10 W
• supply voltage / 1 / rated value	52 ... 57 V
• consumed current / 1 / maximum	5 A

<ul style="list-style-type: none"> product component / 1 / fusing at power supply input fuse protection type / 1 / at input for supply voltage 	<p>Yes</p> <p>15 A / 125 V</p>
ambient conditions	
ambient temperature <ul style="list-style-type: none"> during operation during storage during transport note 	<p>-40 ... +60 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>installation position and SFPs used during the operation have to be considered (see manual)</p>
relative humidity <ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.54 kg
product feature / conformal coating	No
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method <ul style="list-style-type: none"> 35 mm DIN-rail mounting wall mounting S7-300 rail mounting S7-1500 rail mounting 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{ s}$	50
cascading in cases of star topology	any (depending only on signal propagation time)
product function <ul style="list-style-type: none"> QoS according to DSCP 	Yes
product feature <ul style="list-style-type: none"> Cut Through switching method Store & Forward switching method 	<p>No</p> <p>Yes</p>
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> CLI web-based management MIB support TRAPs via email configuration with STEP 7 RMON SMTP server port mirroring multiport mirroring CoS PROFINET IO diagnosis switch-managed 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
PROFINET conformity class	B
network load class / according to PROFINET	3
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported <ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP SFTP BOOTP GMRP DCP 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p>

• 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

product functions / diagnostics

product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes

product functions / VLAN

product function	
• VLAN - port based	Yes
• VLAN - protocol-based	No
• VLAN - IP-based	No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257

product functions / DHCP

product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes

product functions / redundancy

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

system modification during operation

product function / configuration in RUN via CiR/H-CiR	Yes
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product functions / security

product function	
• IEEE 802.1x (radius)	Yes

<ul style="list-style-type: none"> ● RADIUS client ● broadcast/multicast/unicast limiter ● broadcast blocking 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
<p>protocol / is supported</p> <ul style="list-style-type: none"> ● SSH ● SSL 	<p>Yes</p> <p>Yes</p>
product functions / time	
<p>product function</p> <ul style="list-style-type: none"> ● SICLOCK support ● NTP-client ● SNTP client 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
<p>protocol / is supported</p> <ul style="list-style-type: none"> ● NTP ● SNTP ● IEEE 1588 profile default 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
standards, specifications, approvals	
<p>certificate of suitability</p> <ul style="list-style-type: none"> ● CE marking ● KC approval ● Regulatory Compliance Mark (RCM) 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
<p>product conformity / according to EMC-guideline</p>	<p>2014/30/EU</p>
<p>standard</p> <ul style="list-style-type: none"> ● for EMC interference emission ● for immunity to EMC 	<p>EN 61000-6-4, EN 50121-4</p> <p>EN 61000-6-2, EN 50121-4</p>
standards, specifications, approvals / hazardous environments	
<p>certificate of suitability</p> <ul style="list-style-type: none"> ● ATEX ● UKEX ● IECEx ● CCC / for hazardous zone according to GB standard ● FM registration 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
standards, specifications, approvals / other	
<p>certificate of suitability</p> <ul style="list-style-type: none"> ● railway application in accordance with EN 50121-4 	<p>Yes</p>
<p>IT security for industrial automation systems / according to IEC 62443-4-2:2019</p>	<p>Yes</p>
standards, specifications, approvals / marine classification	
<p>Marine classification association</p> <ul style="list-style-type: none"> ● Nippon Kaiji Kyokai (NK) 	<p>Yes</p>
standards, specifications, approvals / Environmental Product Declaration	
<p>Environmental Product Declaration</p>	<p>Yes</p>
<p>global warming potential [CO₂ eq]</p> <ul style="list-style-type: none"> ● total ● during manufacturing ● during operation ● after end of life 	<p>491.2 kg</p> <p>52.28 kg</p> <p>438.3 kg</p> <p>0.62 kg</p>
product functions / general	
<p>MTBF</p>	<p>37 a</p>
<p>reference code</p> <ul style="list-style-type: none"> ● according to IEC 81346-2 ● according to IEC 81346-2:2019 	<p>KF</p> <p>KFE</p>
<p>Warranty period</p>	<p>5 a</p>
<p>product function / is supported / identification link</p>	<p>Yes; acc. to IEC 61406-1:2022</p>
further information / internet links	
<p>internet link</p> <ul style="list-style-type: none"> ● to website: Selection guide for cables and connectors ● to web page: selection aid TIA Selection Tool ● to website: Industrial communication ● to web page: SiePortal ● to website: Image database 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p>

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

<https://www.siemens.com/cax>

<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval



EG-Konf.



[Declaration of Conformity](#)



[Miscellaneous](#)



RCM

General Product Approval

EMV

For use in hazardous locations



TUV

[KC](#)



IECEX



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