



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	
product brand name	SCALANCE
product type designation	XC206-2G PoE EEC
Technical Product Detail Page	https://l.siemens.com/1P6GK5206-2RS00-5FC2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	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 / voltage range	52 ... 57
• consumed current / 1 / maximum	5 A
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	15 A / 125 V

ambient conditions

ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• note	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	
• 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	Yes
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

product features, product functions, product components / general

cascading in the case of a redundant ring / at reconfiguration time of $< \sim 0.3 \text{ s}$	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

product functions / management, configuration, engineering

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	III
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes

• HTTPS	Yes
• TFTP	Yes
• SFTP	Yes
• BOOTP	Yes
• 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
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; LC mode
• 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
product functions / security	
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
KC approval	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
standards, specifications, approvals / hazardous environments	
certificate of suitability	
ATEX	Yes
UKEX	Yes
IECEX	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
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO ₂ eq]	
total	491.19999 kg
during manufacturing	52.28 kg
during operation	438.3 kg
after end of life	0.62 kg
product functions / general	
MTBF	37 a
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	https://support.industry.siemens.com/cs/ww/en/view/109766358
to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud

- 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

Environmental Product Declaration

- | | |
|--|----------|
| • global warming potential [CO2 eq] / during manufacturing | 52.28 kg |
| • global warming potential [CO2 eq] / during operation | 438.3 kg |
| • global warming potential [CO2 eq] / after end of life | 0.62 kg |
| • global warming potential [CO2 eq] / total | 491.2 kg |

Environment

General Product Approval



[China RoHS](#)

[Miscellaneous](#)



General Product Approval

EMV

For use in hazardous locations

[TUEV](#)



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For use in hazardous locations

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