



SCALANCE XC206-2SFP G (E/IP) 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; default EtherNet/IP. IEEE 1588v2 PTP

product type designation	
product brand name	SCALANCE
product type designation	XC206-2SFP G (E/IP def.)
Technical Product Detail Page	https://i.siemens.com/1P6GK5206-2GS00-2TC2
transfer rate	
transfer rate	10, 100, 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 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
type of voltage / 1 / of the supply voltage	
• 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 / voltage range	9.6 ... 31.2
• 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

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	
design, dimensions and weights		
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	
product features, product functions, product components / general		
cascading in the case of a redundant ring / at reconfiguration time of <1~0.3s	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	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
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
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
• RADIUS client	Yes
• broadcast/multicast/unicast limiter	Yes

• broadcast blocking protocol / is supported • SSH • SSL	Yes Yes Yes
product functions / time	
product function • SICLOCK support • NTP-client • SNTP client	Yes Yes Yes
protocol / is supported • NTP • SNTP • IEEE 1588 profile default	Yes Yes Yes
standards, specifications, approvals	
certificate of suitability • CE marking • cULus approval • KC approval • Regulatory Compliance Mark (RCM)	Yes Yes Yes Yes
product conformity / according to EMC-guideline	2014/30/EU
standard • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL	EN 61000-6-4, EN 50121-4 EN 61000-6-2, EN 50121-4 UL 60950-1 E115352, UL-61010-2 E85972
standards, specifications, approvals / hazardous environments	
certificate of suitability • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration	Yes Yes Yes Yes Yes Yes
standards, specifications, approvals / other	
certificate of suitability • railway application in accordance with EN 50121-4 • RoHS conformity	Yes 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) • French marine classification society (BV) • Chinese Classification Society (CCS) • Det Norske Veritas (DNV) • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statków (PRS) • Royal Institution of Naval Architects (RINA)	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq] • total • during manufacturing • during operation • after end of life	157.5 kg 26.3 kg 130.8 kg 0.4 kg
product functions / general	
MTBF	55 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
- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/109766358>
<https://www.siemens.com/tstcloud>
<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



[China RoHS](#)



[Miscellaneous](#)

[Declaration of Conformity](#)

General Product Approval

EMV

For use in hazardous locations



[TUEV](#)

[KC](#)



IECEx



[FM](#)

For use in hazardous locations

Maritime application

[CCC-Ex](#)



IECEx



[NK / Nippon Kaiji Kyōkai](#)

Maritime application

Environment

Industrial Communication



[CCS \(China Classification Society\)](#)



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