



Figure similar

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
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
• product component / 1 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C

<ul style="list-style-type: none"> during transport 	-40 ... +85 °C
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	0.52 kg
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 	Yes Yes Yes Yes
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 	No Yes
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 	Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes
PROFINET conformity class	B
network load class / according to PROFINET	III
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported <ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP SFTP BOOTP GMRP DCP LLDP EtherNet/IP SNMP v1 SNMP v2 SNMP v3 IGMP (snooping/querier) 	Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes
identification & maintenance function	

<ul style="list-style-type: none"> ● I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> ● I&M1 - higher level designation/location designation 	Yes
product functions / diagnostics	
product function	
<ul style="list-style-type: none"> ● port diagnostics 	Yes
<ul style="list-style-type: none"> ● statistics Packet Size 	Yes
<ul style="list-style-type: none"> ● statistics packet type 	Yes
<ul style="list-style-type: none"> ● error statistics 	Yes
<ul style="list-style-type: none"> ● SysLog 	Yes
product functions / VLAN	
product function	
<ul style="list-style-type: none"> ● VLAN - port based 	Yes
<ul style="list-style-type: none"> ● VLAN - protocol-based 	No
<ul style="list-style-type: none"> ● 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	
<ul style="list-style-type: none"> ● DHCP server 	Yes
<ul style="list-style-type: none"> ● DHCP client 	Yes
<ul style="list-style-type: none"> ● DHCP Option 82 	Yes
<ul style="list-style-type: none"> ● DHCP Option 66 	Yes
<ul style="list-style-type: none"> ● DHCP Option 67 	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> ● media redundancy protocol (MRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> ● Media Redundancy Protocol Interconnection (MRP-I) 	Yes
<ul style="list-style-type: none"> ● of the PROFINET IO device / is supported / H-Sync forwarding 	Yes
<ul style="list-style-type: none"> ● of the PROFINET IO device / is supported / PROFINET system redundancy 	Yes
<ul style="list-style-type: none"> ● ring redundancy 	Yes
<ul style="list-style-type: none"> ● high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> ● high speed redundancy protocol (HRP) with standby redundancy 	Yes
<ul style="list-style-type: none"> ● redundancy procedure STP 	Yes
<ul style="list-style-type: none"> ● redundancy procedure RSTP 	Yes
<ul style="list-style-type: none"> ● redundancy procedure RSTP+ 	Yes
<ul style="list-style-type: none"> ● redundancy procedure MSTP 	Yes
<ul style="list-style-type: none"> ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> ● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
<ul style="list-style-type: none"> ● passive listening 	Yes
protocol / is supported	
<ul style="list-style-type: none"> ● LACP 	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
<ul style="list-style-type: none"> ● IEEE 802.1x (radius) 	Yes
<ul style="list-style-type: none"> ● RADIUS client 	Yes
<ul style="list-style-type: none"> ● broadcast/multicast/unicast limiter 	Yes
<ul style="list-style-type: none"> ● broadcast blocking 	Yes
protocol / is supported	
<ul style="list-style-type: none"> ● 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
• cULus approval	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
• for safety / from CSA and UL	UL 60950-1 E115352, UL-61010-2 E85972
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• ULhazloc approval	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
• RoHS conformity	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)	Yes
• French marine classification society (BV)	Yes
• Chinese Classification Society (CCS)	Yes
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	157.5 kg
• during manufacturing	26.3 kg
• during operation	130.8 kg
• after end of life	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

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <https://www.siemens.com/cert>. (V4.7)

Approvals / Certificates

General Product Approval



EG-Konf.



[China RoHS](#)



UL

[Miscellaneous](#)

[Declaration of Conformity](#)

General Product Approval

EMV

For use in hazardous locations



RCM

[TUEV](#)

[KC](#)



IECEx



ATEX

[EM](#)

For use in hazardous locations

Maritime application

[CCC-Ex](#)



ABS



BUREAU VERITAS



DNV



LRS

[NK / Nippon Kaiji Kyokai](#)

Maritime application

Environment

Industrial Communication



PRS



RINA

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



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