



SCALANCE XC206-2SFP G 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; IEEE 1588v2 PTP

product type designation	SCALANCE XC206-2SFP G
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	6
number of optical ports / maximum	2
interfaces / for communication / integrated	
number of electrical connections	6; RJ45
<ul style="list-style-type: none"> for network components or terminal equipment 	
number of 10/100/1000 Mbit/s RJ45 ports / integrated	6
<ul style="list-style-type: none"> with securing collar 	
interfaces / for communication / plug-in	
number of electrical connections	2; 1000 Mbit/s SFP plug-in transceiver or 100 Mbit/s via SCALANCE SFP991-1(LD) A
<ul style="list-style-type: none"> for SFP 	
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> for operator console for signaling contact for power supply 	1 1 1
type of electrical connection	
<ul style="list-style-type: none"> for operator console for signaling contact for power supply 	RJ11 2-pole terminal block 4-pole terminal block
design of the removable storage	
<ul style="list-style-type: none"> C-PLUG 	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> 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	DC
<ul style="list-style-type: none"> supply voltage / 1 / rated value power loss [W] / 1 / rated value consumed current / 1 / at rated supply voltage / maximum supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply 	24 V 6 W 0.25 A 9.6 ... 31.2 V 0.5 A 4-pole terminal block

<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>2.5 A / 125 V</p>
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	<p>-40 ... +70 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</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	0.52 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	
<ul style="list-style-type: none"> 35 mm top hat 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 / 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 	<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>
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"> Telnet HTTP HTTPS TFTP BOOTP GMRP DCP LLDP EtherNet/IP SNMP v1 SNMP v2 SNMP v3 	<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> <p>Yes</p> <p>Yes</p> <p>Yes</p>

<ul style="list-style-type: none"> IGMP (snooping/querier) 	Yes
identification & maintenance function	
<ul style="list-style-type: none"> I&M0 - device-specific information I&M1 - higher level designation/location designation 	Yes Yes
product function	
<ul style="list-style-type: none"> is supported / identification link 	Yes; according to IEC 61406-1:2022
product functions / diagnostics	
product function	
<ul style="list-style-type: none"> port diagnostics statistics Packet Size statistics packet type error statistics SysLog 	Yes Yes Yes Yes Yes
product functions / VLAN	
product function	
<ul style="list-style-type: none"> VLAN - port based VLAN - protocol-based VLAN - IP-based 	Yes No No
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
<ul style="list-style-type: none"> DHCP server DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 	Yes Yes Yes Yes Yes
product functions / redundancy	
product function	
<ul style="list-style-type: none"> of the PROFINET IO device / is supported / PROFINET system redundancy ring redundancy High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy 	Yes Yes Yes Yes Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager Media Redundancy Protocol Interconnection (MRP-I) of the PROFINET IO device / is supported / H-Sync forwarding redundancy procedure STP redundancy procedure RSTP redundancy procedure RSTP+ redundancy procedure MSTP Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) passive listening 	Yes Yes Yes Yes Yes Yes Yes Yes No Yes
protocol / is supported	
<ul style="list-style-type: none"> LACP 	Yes
product functions / security	
product function	
<ul style="list-style-type: none"> IEEE 802.1x (radius) broadcast/multicast/unicast limiter broadcast blocking 	Yes Yes Yes

protocol / is supported	
<ul style="list-style-type: none"> • SSH • SSL 	Yes Yes
product functions / time	
product function	
<ul style="list-style-type: none"> • SICLOCK support • NTP-client • SNTP client 	Yes Yes Yes
protocol / is supported	
<ul style="list-style-type: none"> • NTP • SNTP • IEEE 1588 profile default 	Yes Yes Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM 	FM19US0167X
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	55 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
<ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC 	EN 61000-6-4, EN 50121-4 EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • ATEX • for ATEX / as marking • for ATEX / as certificate • IECEx • for IECEx / as marking • for IECEx / as certificate • CCC / for hazardous zone according to GB standard • CCC / for hazardous zone according to GB standard / as marking • for cULus HazLoc / as marking • for cULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as certificate 	Yes; EN 60079-0, EN 60079-15 II 3 G Ex nA II T4 Gc KEMA 07ATEX0145 X Yes; IEC 60079-0, IEC 60079-15 Ex nA II T4 Gc IECEx DEK 14.0025X Yes; GB3836.1, GB3836.8 Ex nA IIC T4 Gc CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 E240480 (NWHP, NWHP7) Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C FM16US0205X
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 • Regulatory Compliance Mark (RCM) • for UL 61010-2-201 / as File Nr. • for UL 60950-1 / as File Nr. • EAC approval 	Yes Yes E85972 (NRAQ, NRAQ7) E115352 (NWGQ, NWGQ7) Yes
standards, specifications, approvals / marine classification	
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • Chinese Classification Society (CCS) • DNV GL • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) 	Yes Yes Yes Yes Yes

- Polski Rejestr Statkow (PRS) Yes
- Royal Institution of Naval Architects (RINA) Yes

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
<ul style="list-style-type: none"> • Global Warming Potential [CO2 eq] / total • Global Warming Potential [CO2 eq] / during manufacturing • Global Warming Potential [CO2 eq] / during operation • global warming potential [CO2 eq] / after end of life 	<p>153.7 kg</p> <p>28.4 kg</p> <p>125.2 kg</p> <p>0.02 kg</p>

accessories

product extension / optional / C-PLUG	Yes
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further information / internet links

internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>https://sie.ag/2QdlxcP</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>

security information

security information	<p>Siemens provides products and solutions with industrial security 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 security 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 security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. 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 Security RSS Feed under https://www.siemens.com/cert. (V4.6)</p>
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Approvals / Certificates

General Product Approval	EMC	For use in hazardous locations
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[Miscellaneous](#)



[ATEX-Zone 2-Declaration](#)



[FM](#)

For use in hazardous locations	Declaration of Conformity	Marine / Shipping
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[CCC-Ex](#)



[Miscellaneous](#)



Marine / Shipping	other
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[Environmental Con-
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