



SCALANCE XC206-2SFP G Manageable layer 2 IE switch; 6x 10/100/1000 Mbit/s RJ45 ports; 2x 1000 Mbit/s SFP; 1x console port; Diagnostics LED; Redundant power supply; Temp. range -40 °C to +70 °C Mounting: Standard mounting rail/S7 mounting rail/wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-PLUG slot;

Product type designation	SCALANCE XC206-2SFP G
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 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 / Integrated	
• with securing collar	6
Interfaces / for communication / plug-in	
Number of electrical connections	
• for SFP	2; 1000 Mbps SFP plug-in transceiver
Interfaces / other	
Number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1

Type of electrical connection	RJ11 2-pole terminal block 4-pole terminal block
design of the removable storage	Yes
<ul style="list-style-type: none"> • for operator console • for signaling contact • for power supply 	
<ul style="list-style-type: none"> • C-PLUG 	

Signal inputs/outputs

Operating voltage / of the signaling contacts	24 V
<ul style="list-style-type: none"> • at DC / Rated value 	
Operating current / of the signaling contacts	0.1 A
<ul style="list-style-type: none"> • at DC / maximum 	

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	24 V
<ul style="list-style-type: none"> • external 	
<ul style="list-style-type: none"> • external / minimum 	9.6 V
<ul style="list-style-type: none"> • external / maximum 	31.2 V
Supply voltage / 4 / Rated value	
<ul style="list-style-type: none"> • Consumed current / 4 / at rated supply voltage / maximum 	0.25 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	2.5 A / 125 V
Consumed current / maximum	0.5 A
Power loss [W]	6 W
<ul style="list-style-type: none"> • at DC / at 24 V 	

Ambient conditions

Ambient temperature	-40 ... +70 °C
<ul style="list-style-type: none"> • during operation 	
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
Relative humidity	95 %
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	
Protection class IP	IP20

Design, dimensions and weight

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

Mounting type	
• 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 $< \sim 0.3 \sim s$	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
PROFINET conformity class	B
Product function / switch-managed	Yes
Telegram length / for Ethernet / maximum	2048 byte
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	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
Protocol / is supported / GVRP	Yes

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

Product function	
• of the PROFINET IO device / is supported / PROFINET system redundancy (S2)	Yes
• Ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	

• media redundancy protocol (MRP) with redundancy manager	Yes
• of the PROFINET IO device / is supported / H-Sync forwarding	Yes
• redundancy procedure STP	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

Product functions / Security

Product function	
• IEEE 802.1x (radius)	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

System modification during operation

Product function / configuration in RUN via CiR/H-CiR	Yes
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Standards, specifications, approvals

MTBF	55 y
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Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes
Product conformity / according to EMC-guideline	2014/30/EU
Standard	
• for EMC interference emission	EN 61000-6-4, EN 50121-5
• for immunity to EMI	EN 61000-6-2, EN 50121-5

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 • for cULus HazLoc / as marking • for cULus HazLoc / as File Nr. • FM registration • for FM / as marking • for FM / as certificate 	<p>Yes; EN 60079-0, EN 60079-15</p> <p>II 3 G Ex nA II T4 Gc</p> <p>KEMA 07ATEX0145 X</p> <p>Yes; IEC 60079-0, IEC 60079-15</p> <p>Ex nA II T4 Gc</p> <p>IECEx DEK 14.0025X</p> <p>CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4</p> <p>E240480 (NWHP, NWHP7)</p> <p>Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004</p> <p>CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C</p> <p>FM16US0205X</p>
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 	<p>Yes</p> <p>Yes</p> <p>E85972 (NRAQ, NRAQ7)</p> <p>E115352 (NWGQ, NWGQ7)</p> <p>Yes</p>
Further information / Internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	<p>http://www.siemens.com/snst</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>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
Security information	

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