



SCALANCE XC206-2SFP G managed 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; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

<b>product type designation</b>	<b>SCALANCE XC206-2SFP G</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
<b>interfaces / for communication / integrated</b>	
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
<b>interfaces / for communication / plug-in</b>	
number of electrical connections • for SFP	2
<b>interfaces / other</b>	
number of electrical connections • for operator console • for signaling contact • for power supply	1 1 1
type of electrical connection • for operator console • for signaling contact • for power supply	RJ11 2-pole terminal block 4-pole terminal block
design of the removable storage • C-PLUG	Yes
<b>signal inputs/outputs</b>	
operating voltage / of the signaling contacts • at DC / rated value	24 V
operational current / of the signaling contacts • at DC / maximum	0.1 A
<b>supply voltage, current consumption, power loss</b>	
product component / connection for redundant voltage supply	Yes
<b>type of voltage / 1 / of the supply voltage</b> • 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 • product component / 1 / fusing at power supply input	DC 24 V 6 W 0.25 A 9.6 ... 31.2 V 0.5 A 4-pole terminal block Yes

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C
relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	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"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>S7-300 rail mounting</li> <li>S7-1500 rail mounting</li> </ul>	Yes Yes Yes Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <math>\leq 0.3\text{ s}</math>	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"> <li>Cut Through switching method</li> <li>Store &amp; Forward switching method</li> </ul>	No Yes
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> <li>CLI</li> <li>web-based management</li> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>RMON</li> <li>SMTP server</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> </ul>	Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes
PROFINET conformity class	B
network load class / acc. to PROFINET	3
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	10240 byte
protocol / is supported	
<ul style="list-style-type: none"> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>BOOTP</li> <li>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>EtherNet/IP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> </ul>	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes

identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher level designation/location designation	Yes
<b>product functions / diagnostics</b>	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes
<b>product functions / VLAN</b>	
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)	35
protocol / is supported / GVRP	Yes
<b>product functions / DHCP</b>	
product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
<b>product functions / redundancy</b>	
product function	
• of the PROFINET IO device / is supported / PROFINET system redundancy	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
• Media Redundancy Protocol Interconnection (MRP-I)	Yes
• of the PROFINET IO device / is supported / H-Sync forwarding	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
<b>product functions / security</b>	
product function	
• IEEE 802.1x (radius)	Yes
• broadcast/multicast/unicast limiter	Yes
• broadcast blocking	Yes

protocol / is supported	
<ul style="list-style-type: none"> <li>• SSH</li> <li>• SSL</li> </ul>	<p>Yes</p> <p>Yes</p>
<b>product functions / time</b>	
product function	
<ul style="list-style-type: none"> <li>• SICLOCK support</li> <li>• NTP-client</li> <li>• SNTP client</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
protocol / is supported	
<ul style="list-style-type: none"> <li>• NTP</li> <li>• SNTP</li> </ul>	<p>Yes</p> <p>Yes</p>
<b>system modification during operation</b>	
product function / configuration in RUN via CiR/H-CiR	Yes
<b>standards, specifications, approvals</b>	
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	55 y
reference code	
<ul style="list-style-type: none"> <li>• acc. to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	<p>KF</p> <p>KFE</p>
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
<ul style="list-style-type: none"> <li>• for EMC interference emission</li> <li>• for immunity to EMC</li> </ul>	<p>EN 61000-6-4, EN 50121-5</p> <p>EN 61000-6-2, EN 50121-4</p>
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• ATEX</li> <li>• for ATEX / as marking</li> <li>• for ATEX / as certificate</li> <li>• IECEx</li> <li>• for IECEx / as marking</li> <li>• for IECEx / as certificate</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• for cULus HazLoc / as marking</li> <li>• for cULus HazLoc / as File Nr.</li> <li>• FM registration</li> </ul>	<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>Yes</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>
<ul style="list-style-type: none"> <li>• for FM / as marking</li> <li>• for FM / as certificate</li> </ul>	
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• railway application in accordance with EN 50121-4</li> <li>• Regulatory Compliance Mark (RCM)</li> <li>• for UL 61010-2-201 / as File Nr.</li> <li>• for UL 60950-1 / as File Nr.</li> <li>• EAC approval</li> </ul>	<p>Yes</p> <p>Yes</p> <p>E85972 (NRAQ, NRAQ7)</p> <p>E115352 (NWGQ, NWGQ7)</p> <p>Yes</p>
<b>accessories</b>	
product extension / optional / C-PLUG	Yes
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> </ul>	<p><a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p>

security information

security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

11/6/2021 