



SCALANCE XC206-2SFP G EEC 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; with painted printed circuit boards NAMUR NE21-compliant; 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 EEC</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; 1000 Mbps SFP plug-in transceiver
<b>Interfaces / other</b>	
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

### Signal inputs/outputs

Operating voltage / of the signaling contacts	24 V
Operating current / of the signaling contacts	0.1 A

### Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	24 V
external / minimum	9.6 V
external / maximum	31.2 V
<b>Supply voltage / 4 / Rated value</b>	
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

### Ambient conditions

Ambient temperature	-40 ... +70 °C
during operation	-40 ... +85 °C
during storage	-40 ... +85 °C
during transport	
Relative humidity	95 %
at 25 °C / without condensation / during operation / maximum	
Protection class IP	IP20

### Design, dimensions and weights

Design	compact
Width	60 mm
Height	147 mm
Depth	125 mm
Net weight	0.52 kg
Product feature / conformal coating	Yes

Material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
Mounting type	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> <li>• wall mounting</li> <li>• S7-300 rail mounting</li> <li>• S7-1500 rail mounting</li> </ul>	<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 <math>\sim 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>	<p>No</p> <p>Yes</p>

### 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>	<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
Product function / switch-managed	Yes
Telegram length / for Ethernet / maximum	2048 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> </ul>	<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>

• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
<b>Identification &amp; maintenance function</b>	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes

### Product functions / Diagnostics

<b>Product function</b>	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes
• SysLog	Yes

### Product functions / VLAN

<b>Product function</b>	
• 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

<b>Product function</b>	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes

### Product functions / redundancy

<b>Product function</b>	
• 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

Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019	Yes
MTBF	55 y

### 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"> <li>• for EMC interference emission</li> <li>• for immunity to EMI</li> </ul>	<p>EN 61000-6-4, EN 50121-6</p> <p>EN 61000-6-2, EN 50121-6</p>
Certificate of suitability / RoHS conformity	Yes; 2011/65/EU

### Standards, specifications, approvals / hazardous environments

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>• for cULus HazLoc / as marking</li> <li>• for cULus HazLoc / as File Nr.</li> <li>• FM registration</li> <li>• for FM / as marking</li> <li>• for FM / as certificate</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>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"> <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>

### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET 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> <li>• to website: Industry Online Support</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</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> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

### 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)

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