



SCALANCE XC206-2G PoE EEC Manage- able Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 54 V DC infeed; 240 W PoE power; can be distributed among all PoE ports; 1 x console port; diagnostics LED, redundant power supply; Temp. range -40 °C to +60 °C; mounting DIN rail/S7 mounting rail/wall; redundancy functions; Office Features (RSTP, VLAN,...); Painted printed circuit boards; PROFINET device; Ethernet/(\*).

<b>product type designation</b>	<b>SCALANCE XC206-2G PoE EEC</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
<b>interfaces / for communication / maximum configuration for modular devices</b>	
number of electrical ports / maximum	6
number of electrical ports / with PoE / maximum	6
number of optical ports / maximum	2
<b>interfaces / for communication / integrated</b>	
number of electrical connections	6; RJ45
<ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>	
number of 10/100/1000 Mbit/s RJ45 ports / integrated	4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W)
<ul style="list-style-type: none"> <li>with securing collar</li> </ul>	
number of electrical connections	6
<ul style="list-style-type: none"> <li>with securing collar / with PoE</li> </ul>	
number of electrical connections	2
<ul style="list-style-type: none"> <li>for SFP</li> </ul>	
<b>interfaces / for communication / plug-in</b>	
number of electrical connections	2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible
<ul style="list-style-type: none"> <li>for SFP+</li> </ul>	
<b>interfaces / other</b>	
number of electrical connections	1
<ul style="list-style-type: none"> <li>for operator console</li> </ul>	
number of electrical connections	1
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>	
type of electrical connection	RJ11 2-pole terminal block 4-pole terminal block
<ul style="list-style-type: none"> <li>for operator console</li> </ul>	
<ul style="list-style-type: none"> <li>for signaling contact</li> </ul>	
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	
design of the removable storage	Yes
<ul style="list-style-type: none"> <li>C-PLUG</li> </ul>	
<b>signal inputs/outputs</b>	
operating voltage / of the signaling contacts	54 V
<ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>	
operational current / of the signaling contacts	0.1 A
<ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>	
<b>supply voltage, current consumption, power loss</b>	
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE	260 W
<ul style="list-style-type: none"> <li>total / maximum</li> </ul>	
type of voltage / 1 / of the supply voltage	DC

<ul style="list-style-type: none"> <li>• supply voltage / 1 / rated value</li> </ul>	54 V
<ul style="list-style-type: none"> <li>• power loss [W] / 1 / rated value</li> </ul>	10 W
<ul style="list-style-type: none"> <li>• supply voltage / 1 / rated value</li> </ul>	52 ... 57 V
<ul style="list-style-type: none"> <li>• consumed current / 1 / maximum</li> </ul>	5 A
<ul style="list-style-type: none"> <li>• product component / 1 / fusing at power supply input</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• fuse protection type / 1 / at input for supply voltage</li> </ul>	15 A / 125 V
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>• note</li> </ul>	installation position and SFPs used during the operation have to be considered (see manual)
installation altitude / at height above sea level / maximum	4000 m
relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.54 kg
product feature / conformal coating	Yes
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> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7-300 rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7-1500 rail mounting</li> </ul>	Yes
<b>product features, product functions, product components / general</b>	
cascading in the case of a redundant ring / at reconfiguration time of $<1\sim0.3\sim s$	50
cascading in cases of star topology	any (depending only on signal propagation time)
product function / QoS according to DSCP	Yes
product feature	
<ul style="list-style-type: none"> <li>• Cut Through switching method</li> </ul>	No
<ul style="list-style-type: none"> <li>• Store &amp; Forward switching method</li> </ul>	Yes
<b>product functions / management, configuration, engineering</b>	
product function	
<ul style="list-style-type: none"> <li>• CLI</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• web-based management</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• MIB support</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• TRAPs via email</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• configuration with STEP 7</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• RMON</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SMTP server</li> </ul>	No
<ul style="list-style-type: none"> <li>• port mirroring</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• multipoint mirroring</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• CoS</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• PROFINET IO diagnosis</li> </ul>	Yes
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"> <li>• Telnet</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• HTTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• HTTPS</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• TFTP</li> </ul>	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
<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)	257
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	

<ul style="list-style-type: none"> <li>• LACP</li> </ul>	Yes
<b>product functions / security</b>	
product function	
<ul style="list-style-type: none"> <li>• IEEE 802.1x (radius)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• broadcast/multicast/unicast limiter</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• broadcast blocking</li> </ul>	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>• SSH</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SSL</li> </ul>	Yes
<b>product functions / time</b>	
product function	
<ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• NTP-client</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SNTP client</li> </ul>	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>• NTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SNTP</li> </ul>	Yes
<b>system modification during operation</b>	
product function / configuration in RUN via CiR/H-CiR	Yes
<b>standards, specifications, approvals</b>	
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>	EN 61000-6-2:2001
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	37 a
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> </ul>	KF
<ul style="list-style-type: none"> <li>• according to IEC 81346-2:2019</li> </ul>	KFE
<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> </ul>	EN 61000-6-4, EN 50121-4
<ul style="list-style-type: none"> <li>• for immunity to EMC</li> </ul>	EN 61000-6-2, EN 50121-4
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> </ul>	Yes
<ul style="list-style-type: none"> <li>• for ATEX / as marking</li> </ul>	II 3 G Ex ec IIC T4 Gc
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• for IECEx / as marking</li> </ul>	Ex ec IIC T4 Gc
<ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard / as marking</li> </ul>	Ex nA IIC T4 Gc
<ul style="list-style-type: none"> <li>• for cULus HazLoc / as marking</li> </ul>	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
<ul style="list-style-type: none"> <li>• FM registration</li> </ul>	Yes; FM Class 3600:2018, FM Class 3611:2021, FM Class 3810:2021, ANSI/UL 121201:2017, ANSI/UL 61010-1:2018
<ul style="list-style-type: none"> <li>• for FM / as marking</li> </ul>	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• KC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• railway application in accordance with EN 50121-4</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Regulatory Compliance Mark (RCM)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• for UL 61010-2-201 / as File Nr.</li> </ul>	E85972 (NRAQ, NRAQ7)
<ul style="list-style-type: none"> <li>• EAC approval</li> </ul>	Yes
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
<ul style="list-style-type: none"> <li>• Global Warming Potential [CO2 eq] / total</li> </ul>	491.2 kg
<ul style="list-style-type: none"> <li>• Global Warming Potential [CO2 eq] / during</li> </ul>	52.28 kg

manufacturing

- Global Warming Potential [CO2 eq] / during operation
- global warming potential [CO2 eq] / after end of life

438.3 kg  
0.62 kg

#### accessories

product extension / optional / C-PLUG

Yes

#### further information / internet links

internet link

- to web page: selection aid TIA 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

<http://www.siemens.com/tia-selection-tool>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

#### security information

security information

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)

#### Approvals / Certificates

General Product Approval	For use in hazardous locations	Declaration of Conformity
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[Miscellaneous](#)

[ATEX-Zone 2-Declaration](#)



IECEX

[FM](#)

[CCC-Ex](#)



EG-Konf.

Declaration of Conformity	other	Environment
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[PROFINET-Certification](#)



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