



SCALANCE XC206-2G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports according to IEEE802.3at ; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 24 V DC Infeed; 120 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED, Redundant power supply; temp. range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG shaft;

product type designation	SCALANCE XC206-2G PoE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10000 Gbit/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 / with PoE	6
number of electrical connections	
• for SFP	2
interfaces / for communication / plug-in	
number of electrical connections	
• for SFP+	2
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	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

product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE	144 W
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	18 W
• supply voltage / 1 / rated value	19.2 ... 31.2 V
• consumed current / 1 / maximum	6 A
• product component / 1 / fusing at power supply input	Yes

ambient conditions

ambient temperature	-40 ... +60 °C
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity	95 %
• at 25 °C / without condensation / during operation / maximum	
protection class IP	IP20

design, dimensions and weights

design	compact
width	100 mm
height	147 mm
depth	125 mm
net weight	0.955 kg
product feature / conformal coating	No
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
mounting type	

- 35 mm DIN rail mounting
- wall mounting
- S7-300 rail mounting
- S7-1500 rail mounting

Yes
Yes
Yes
Yes

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	
• 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
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	
<ul style="list-style-type: none"> • I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> • I&M1 – higher-level designation/location designation 	Yes

product functions / diagnostics

product function	
<ul style="list-style-type: none"> • port diagnostics 	Yes
<ul style="list-style-type: none"> • statistics Packet Size 	Yes
<ul style="list-style-type: none"> • statistics packet type 	Yes
<ul style="list-style-type: none"> • error statistics 	Yes
<ul style="list-style-type: none"> • SysLog 	Yes

product functions / VLAN

product function	
<ul style="list-style-type: none"> • VLAN - port based 	Yes
<ul style="list-style-type: none"> • VLAN - protocol-based 	No
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • DHCP server 	Yes
<ul style="list-style-type: none"> • DHCP client 	Yes
<ul style="list-style-type: none"> • DHCP Option 82 	Yes
<ul style="list-style-type: none"> • DHCP Option 66 	Yes
<ul style="list-style-type: none"> • DHCP Option 67 	Yes

product functions / redundancy

product function	
<ul style="list-style-type: none"> • of the PROFINET IO device / is supported / PROFINET system redundancy 	Yes
<ul style="list-style-type: none"> • ring redundancy 	Yes
<ul style="list-style-type: none"> • High Speed Redundancy Protocol (HRP) 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	Yes

<ul style="list-style-type: none"> Media Redundancy Protocol Interconnection (MRP-I) 	Yes
<ul style="list-style-type: none"> of the PROFINET IO device / is supported / H-Sync forwarding 	Yes
<ul style="list-style-type: none"> redundancy procedure STP 	Yes
<ul style="list-style-type: none"> redundancy procedure RSTP 	Yes
<ul style="list-style-type: none"> redundancy procedure RSTP+ 	Yes
<ul style="list-style-type: none"> redundancy procedure MSTP 	Yes
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
<ul style="list-style-type: none"> passive listening 	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) 	Yes
<ul style="list-style-type: none"> broadcast/multicast/unicast limiter 	Yes
<ul style="list-style-type: none"> broadcast blocking 	Yes
protocol / is supported	
<ul style="list-style-type: none"> SSH 	Yes
<ul style="list-style-type: none"> SSL 	Yes

product functions / time

product function	
<ul style="list-style-type: none"> SICLOCK support 	Yes
<ul style="list-style-type: none"> NTP-client 	Yes
<ul style="list-style-type: none"> SNTP client 	Yes
protocol / is supported	
<ul style="list-style-type: none"> NTP 	Yes
<ul style="list-style-type: none"> SNTP 	Yes

system modification during operation

product function / configuration in RUN via CiR/H-CiR	Yes
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standards, specifications, approvals

standard	
<ul style="list-style-type: none"> for emitted interference 	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> for interference immunity 	EN 61000-6-2:2001
Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019	Yes
MTBF	42 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"> • for EMC interference emission • for immunity to EMI 	EN 61000-6-4, EN 50121-15 EN 61000-6-2, EN 50121-15
certificate of suitability / RoHS conformity	Yes; 2011/65/EU

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 	http://www.siemens.com/snst 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	<p>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)</p>
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