



SCALANCE XC206-2G PoE Manageable 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 24 V DC Infeed; 120 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; redundant power supply; temperature 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 slot; IEEE 1588v2PTP

product type designation		SCALANCE XC206-2G PoE
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum		6
number of electrical ports / with PoE / maximum		6
number of optical ports / maximum		2
interfaces / for communication / integrated		
number of electrical connections		6; RJ45
<ul style="list-style-type: none"> for network components or terminal equipment 		
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"> with securing collar 		6
<ul style="list-style-type: none"> with securing collar / with PoE 		
number of electrical connections		2
<ul style="list-style-type: none"> for SFP 		
interfaces / for communication / plug-in		
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"> for SFP+ 		
interfaces / other		
number of electrical connections		1
<ul style="list-style-type: none"> for operator console 		
<ul style="list-style-type: none"> for signaling contact 		1
type of electrical connection		RJ11
<ul style="list-style-type: none"> for operator console 		2-pole terminal block
<ul style="list-style-type: none"> for signaling contact 		4-pole terminal block
<ul style="list-style-type: none"> for power supply 		
design of the removable storage		Yes
<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 		
operational current / of the signaling contacts		0.1 A
<ul style="list-style-type: none"> at DC / maximum 		
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply		Yes
supplied active power / of PSE / with PoE		144 W
<ul style="list-style-type: none"> total / maximum 		
type of voltage / 1 / of the supply voltage		DC

<ul style="list-style-type: none"> • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • product component / 1 / fusing at power supply input • fuse protection type / 1 / at input for supply voltage 	24 V 18 W 19.2 ... 31.2 V 6 A Yes 15 A / 125 V
ambient conditions	
ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • note 	-40 ... +60 °C -40 ... +85 °C -40 ... +85 °C installation position and SFPs used during the operation have to be considered (see manual)
relative humidity <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
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
fastening method <ul style="list-style-type: none"> • 35 mm top hat 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 <1~0.3~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"> • Cut Through switching method • Store & Forward switching method 	No Yes
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multipoint mirroring • CoS • PROFINET IO diagnosis 	Yes Yes Yes Yes Yes Yes No Yes Yes Yes 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"> • Telnet • HTTP • HTTPS • TFTP • BOOTP 	Yes Yes Yes Yes No

<ul style="list-style-type: none"> • GMRP 	Yes
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
<ul style="list-style-type: none"> • EtherNet/IP 	Yes
<ul style="list-style-type: none"> • SNMP v1 	Yes
<ul style="list-style-type: none"> • SNMP v2 	Yes
<ul style="list-style-type: none"> • SNMP v3 	Yes
<ul style="list-style-type: none"> • 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
number of VLANs / at ring redundancy (HRP; MRP; standby link)	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	
• 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
• IEEE 1588 profile default	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
standard	
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-2:2001
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	42 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
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 50121-15
• for immunity to EMC	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• for ATEX / as marking	II 3 G Ex ec IIC T4 Gc
• IECEx	Yes
• for IECEx / as marking	Ex ec IIC T4 Gc
• CCC / for hazardous zone according to GB standard	Yes
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
• for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
• FM registration	Yes; FM Class 3600:2018, FM Class 3611:2021, FM Class 3810:2021, ANSI/UL 121201:2017, ANSI/UL 61010-1:2018
• for FM / as marking	CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C
standards, specifications, approvals / other	
certificate of suitability	
• KC approval	Yes
• railway application in accordance with EN 50121-4	Yes
• Regulatory Compliance Mark (RCM)	Yes
• for UL 61010-2-201 / as File Nr.	E85972 (NRAQ, NRAQ7)
• EAC approval	Yes
accessories	
product extension / optional / C-PLUG	Yes
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool

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