



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 54 V DC Infeed; 240 W PoE Power can be distributed among all 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 1588v2 PTP

product type designation	SCALANCE
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 for network components or terminal equipment	6; RJ45
number of 10/100/1000 Mbit/s RJ45 ports / integrated - with securing collar - with securing collar / with PoE	4 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W) 6
number of electrical connections for SFP	2
interfaces / for communication / plug-in	
number of electrical connections for SFP+	2; SFPs with 1000 Mbps or 10,000 Mbps possible; 100 Mbps with SFP991-1(LD) A possible
interfaces / other	
number of electrical connections - for operator console - for signaling contact	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
signal inputs/outputs	
operating voltage / of the signaling contacts at DC / rated value	54 V
operational current / of the signaling contacts at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE total / maximum	260 W
type of voltage / 1 / of the supply voltage	DC

• 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	54 V 10 W 52 ... 57 V 5 A Yes 15 A / 125 V
ambient conditions	
ambient temperature • 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 • at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.54 kg
product feature / conformal coating	No
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method • 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 • Cut Through switching method • Store & Forward switching method	No Yes
product functions / management, configuration, engineering	
product function • 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 • Telnet • HTTP • HTTPS • TFTP • BOOTP	Yes Yes Yes Yes No

• GMRP • DCP • LLDP • EtherNet/IP • SNMP v1 • SNMP v2 • SNMP v3 • IGMP (snooping/querier)	Yes Yes Yes Yes Yes Yes Yes Yes
identification & maintenance function • I&M0 - device-specific information • I&M1 - higher level designation/location designation	Yes Yes
product functions / diagnostics	
product function • port diagnostics • statistics Packet Size • statistics packet type • error statistics • SysLog	Yes Yes Yes Yes Yes
product functions / VLAN	
product function • VLAN - port based • VLAN - protocol-based • VLAN - IP-based	Yes No 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 • DHCP server • DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67	Yes Yes Yes Yes Yes
product functions / redundancy	
product function • of the PROFINET IO device / is supported / PROFINET system redundancy • ring redundancy • High Speed Redundancy Protocol (HRP) • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy	Yes Yes Yes Yes Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / H-Sync forwarding • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure RSTP+ • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening	Yes Yes Yes Yes Yes Yes Yes No 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
• 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	37 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

- to website: Industrial communication
- to website: Industry Mall
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- to website: Image database
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