



SCALANCE XC216-3G PoE Manageable Layer 2 IE PoE Switch; 14x 10/100/1000 Mbps RJ45 PoE ports according to IEEE802.3at; 2 ports thereof according to IEEE802.3bt; IEC 62443-4-2 certified; 2x 10/100/1,000 Mbps RJ45; 2x 1,000, 10,000 Mbps SFP+; 1x 1,000 Mbps SFP; PoE support for 54 V DC infeed; 300 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; Etherne(*)

product type designation	
product brand name	SCALANCE
product type designation	XC216-3G PoE (DC 54 V)
Technical Product Detail Page	https://i.siemens.com/1P6GK5216-3RS00-5AC2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	16; RJ45
number of 10/100/1000 Mbit/s RJ45 ports	
• with securing collar	16; 12 PoE ports according to IEEE 802.3at (30 W), 2 PoE ports according to IEEE 802.3bt (60 W)
• with securing collar / with PoE	14
number of electrical connections	
• for SFP	3
interfaces / for communication / plug-in	
number of electrical connections	
• for SFP	1
• for SFP+	2; SFPs with 1000 Mbit/s or 10,000 Mbit/s possible; 100 Mbit/s with SFP991-1(LD) A possible
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	1
type of electrical connection	
• for operator console	RJ11
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes
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	338 W

type of voltage / 1 / of the supply voltage		DC
• supply voltage / 1 / rated value		54 V
• power loss [W] / 1 / rated value		28 W
• supply voltage / 1 / voltage range		52 ... 57
• consumed current / 1 / maximum		6.5 A
• product component / 1 / fusing at power supply input		Yes
• fuse protection type / 1 / at input for supply voltage		15 A / 125 V
ambient conditions		
ambient temperature		
• during operation		-40 ... +60 °C
• during storage		-40 ... +85 °C
• during transport		-40 ... +85 °C
• note	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	140 mm	
height	147 mm	
depth	125 mm	
net weight	1.14 kg	
product feature / conformal coating	No	
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum	
fastening method		
• 35 mm DIN-rail mounting		Yes
• wall mounting		No
• S7-300 rail mounting		Yes
• S7-1500 rail mounting		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		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
• switch-managed		Yes
PROFINET conformity class	B	
network load class / according to PROFINET	III	
telegram length / for Ethernet / maximum	10240 byte	
protocol / is supported		
• Telnet		Yes
• HTTP		Yes

• HTTPS	Yes
• TFTP	Yes
• SFTP	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
product functions / diagnostics	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes
product functions / VLAN	
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
product functions / DHCP	
product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
product functions / redundancy	
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
• of the PROFINET IO device / is supported / PROFINET system redundancy	Yes
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	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	
• LACP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes
• RADIUS client	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
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
• for EMC interference emission	EN 61000-6-4, EN 50121-4
• for immunity to EMC	EN 61000-6-2, EN 50121-4
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
• railway application in accordance with EN 50121-4	Yes
• RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	491.2 kg
• during manufacturing	52.28 kg
• during operation	438.3 kg
• after end of life	0.62 kg
product functions / general	
MTBF	23 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	

internet link

- to website: Selection guide for cables and connectors
- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/109766358>
<https://www.siemens.com/tstcloud>
<https://www.siemens.com/simatic-net>
<https://sieportal.siemens.com/>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval



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EMV

For use in hazardous locations

Environment



IECEx



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