



SCALANCE XC216-4C managed Layer 2 IE switch; IEC 62443-4-2 certified; 12x 10/100 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

product type designation		SCALANCE XC216-4C
transfer rate		
transfer rate		10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated		
number of electrical connections		16; RJ45
for network components or terminal equipment		
number of 10/100 Mbit/s RJ45 ports / integrated		12
with securing collar		
number of 10/100/1000 Mbit/s RJ45 ports / integrated		4
number of combo ports / with RJ45 interface for optical plug-in transceiver		4; 1000 Mbit/s SFPs
interfaces / for communication / plug-in		
number of electrical connections		4
for SFP		
interfaces / other		
number of electrical connections		
for operator console		1
for signaling contact		1
for power supply		1
type of electrical connection		
for operator console		RJ11
for signaling contact		2-pole terminal block
for power supply		3-pole terminal block, permanently installed
design of the removable storage		
C-PLUG		Yes
signal inputs/outputs		
operating voltage / of the signaling contacts		24 V
at DC / rated value		
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply		Yes
type of voltage / 1 / of the supply voltage		
supply voltage / 1 / rated value		DC
power loss [W] / 1 / rated value		24 V
consumed current / 1 / at rated supply voltage / maximum		13.2 W
supply voltage / 1 / rated value		0.55 A
product component / 1 / fusing at power supply input		9.6 ... 31.2 V
		Yes

ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
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	150 mm
depth	125 mm
net weight	1.2 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	
• 35 mm top hat 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 <~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
PROFINET conformity class	B
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1632 byte
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	
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
protocol / is supported / GVRP	Yes
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	
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	
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
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	46 y
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 50121-12
• for immunity to EMC	EN 61000-6-2, EN 50121-12
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes
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