



SCALANCE XC208 manageable layer 2 IE Switch; 8x 10/100 Mbit/s RJ45 ports; 1x console port; Diagnostic LED; Redundant power supply; Temp. range -40°C to +70 °C Mounting: Standard Mounting Rail/S7 Profile Rail/Wall Office redundancy functions features (RSTP, VLAN, ...); PROFINET IO device Ethernet/IP-compliant C-PLUG shaft;

Product type designation	SCALANCE
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	8; RJ45
Number of 10/100 Mbit/s RJ45 ports / Integrated	
• with securing collar	8
Interfaces / others	
Number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	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
Signal-Inputs/outputs	
Operating voltage / of the signaling contacts • at DC / Rated value	24 V
Operating current / of the signaling contacts • at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage • external • external / minimum • external / maximum	24 V 9.6 V 31.2 V
Supply voltage / 4 / Rated value • Consumed current / 4 / at rated supply voltage / maximum	0.175 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	2.5 A / 125 V
Consumed current / maximum	0.35 A
Power loss [W] • at DC / at 24 V	4.2 W
Permitted ambient conditions	
Ambient temperature • during operation • during storage • during transport	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C
Relative humidity • at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	compact
Width	60 mm
Height	147 mm
Depth	125 mm
Net weight	0.52 kg
Material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
Mounting type • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting	Yes Yes Yes

- S7-1500 rail mounting

Yes

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of $\sim 0.3\text{ s}$

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Cascading in cases of star topology

any (depending only on signal propagation time)

Product functions / management, configuration

Product function

- CLI
- web-based management
- MIB support
- TRAPs via email
- Configuration with STEP 7
- RMON
- SMTP server
- Port mirroring
- multiport mirroring
- CoS
- PROFINET IO diagnosis
- switch-managed

Yes
Yes
Yes
Yes
Yes
Yes
No
Yes
Yes
Yes
Yes
Yes
Yes

Telegram length / for Ethernet / maximum

1632 byte

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- BOOTP
- GMRP
- DCP
- LLDP
- EtherNet/IP
- SNMP v1
- SNMP v2
- SNMP v3
- IGMP (snooping/querier)

Yes
Yes
Yes
Yes
No
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 / Diagnosis

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
• VLAN dynamic	Yes
Number of VLANs / maximum	257
Number of VLANs - dynamic / maximum	257
Protocol / is supported / GVRP	Yes

Product functions / DHCP

Product function	
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes

Product functions / Redundancy

Product function	
• 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
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure MSTP	Yes
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	No
• 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
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 50121-4
• for immunity to EMI	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
• IECEX	Yes
Standards, specifications, approvals / miscellaneous	
Certificate of suitability	
• Railway application in accordance with EN 50121-4	Yes
• Regulatory Compliance Mark (RCM)	Yes
• EAC approval	Yes
Accessories	
Product extension / optional / C-PLUG	Yes
Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<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

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