

SCALANCE XR328-4C WG; managed IE switch; 19" rack; 24 x 10/100/1000 Mbit/s electrical ports; 4 x 1000 Mbit/s Combo Ports electrical or optical; LED diagnostics; Reset button; console port; PROFINET device; network management function; redundancy manager; Power supply 24 V DC;



Product type designation	SCALANCE XR328-4C WG
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections • for network components or terminal equipment	28; RJ45
Number of 10/100/1000 Mbit/s RJ45 ports / Integrated	24
Number of combo ports / with RJ45 interface for optical plug-in transceiver	4; 1000 Mbit/s
Interfaces / other	
Number of electrical connections • for operator console • for power supply • for redundant voltage supply	1 1 1
Type of electrical connection • for power supply	2 x 2-pin terminal block
Supply voltage, current consumption, power loss	

Type of voltage supply / redundant power supply unit	No
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	19.2 V
• external / maximum	28.8 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	F 5 A / 60 V
Consumed current / maximum	0.9 A
Power loss [W]	
• at DC / at 24 V	21.6 W

Ambient conditions

Ambient temperature	
• during operation	0 ... 60 °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	IP30

Design, dimensions and weights

Design	19" rack
Number of modular height units / relating to 19-inch cabinet	1
Width	483 mm
Height	44 mm
Depth	127 mm
Net weight	2.8 kg
Material / of the enclosure	metal
Mounting type	
• 19-inch installation	Yes
• 35 mm DIN rail mounting	No
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No

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 functions / management, configuration, engineering

Product function	
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• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• RMON	Yes
• Port mirroring	Yes
• multiport mirroring	No
• CoS	Yes
• PROFINET IO diagnosis	Yes
PROFINET conformity class	B
Product function / switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	No
• DCP	Yes
• LLDP	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
• VLAN dynamic	Yes
Number of VLANs / maximum	257
Protocol / is supported / GVRP	No

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
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Product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure MSTP	No
• 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	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• MSTP	No
• RSTP big network support	Yes
• LACP	No

Product functions / Security

Product function	
• ACL - MAC-based	Yes

<ul style="list-style-type: none"> • ACL - port/MAC-based 	Yes
<ul style="list-style-type: none"> • IEEE 802.1x (radius) 	Yes
<ul style="list-style-type: none"> • Broadcast/Multicast/Unicast Limiter 	Yes
<ul style="list-style-type: none"> • broadcast blocking 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes

Product functions / time

Product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • NTP 	Yes
<ul style="list-style-type: none"> • SNTP 	Yes
<ul style="list-style-type: none"> • IEEE 1588 profile default 	No

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
<ul style="list-style-type: none"> • for hazardous zone 	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1, UL 61010-2-201
<ul style="list-style-type: none"> • for hazardous zone / from CSA and UL 	ANSI/ISA 12.12.01, CAN/CSA C22.2 No. 213-M1987
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class B)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019	Yes
MTBF	43 y

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes
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Standards, specifications, approvals / hazardous environments

Certificate of suitability	
<ul style="list-style-type: none"> • ATEX 	Yes; EN 60079-0, EN60079-15, Ex II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul style="list-style-type: none"> • IECEX 	Yes; IEC 60079-0, IEC 60079-15, IECEX DEK 14.0025X, Ex nA IIC T4 Gc

Standards, specifications, approvals / other

Certificate of suitability	
<ul style="list-style-type: none"> • C-Tick 	Yes
<ul style="list-style-type: none"> • Railway application in accordance with EN 50155 	No
<ul style="list-style-type: none"> • KC approval 	Yes

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<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

Security information

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