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SCALANCE XR328-4C WG; managed IE switch; 19" rack; 24 x 10/100Mbit/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; No UL/FM approval; Power supply 240 V AC (85 – 264 V)

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 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	1
• for power supply	1
• for redundant voltage supply	0
Type of electrical connection	
• for power supply	IEC plug C14
Supply voltage, current consumption, power loss	
Type of voltage supply / redundant power supply unit	No

Type of voltage / of the supply voltage	AC
Supply voltage	
• external	240 V
• external / minimum	85 V
• external / maximum	264 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	F 4 A / 250 V
Consumed current / maximum	0.15 A
Power loss [W]	
• at AC / at 230 V	15 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	177 mm
Net weight	3.4 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	
• CLI	Yes

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• 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
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
• ACL - port/MAC-based	Yes

● IEEE 802.1x (radius)	Yes
● Broadcast/Multicast/Unicast Limiter	Yes
● broadcast blocking	Yes
Protocol / is supported	
● SSH	Yes

Product functions / time

Product function	
● SICLOCK support	Yes
Protocol / is supported	
● NTP	Yes
● SNTP	Yes
● IEEE 1588 profile default	No

Standards, specifications, approvals

Standard	
● for emitted interference	EN 61000-6-4 (Class B)
● for interference immunity	EN 61000-6-2
Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019	Yes
MTBF	39 y

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / other

Certificate of suitability	
● C-Tick	Yes
● Railway application in accordance with EN 50155	No
● KC approval	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	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx Download Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

Security information

Security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)
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