

SCALANCE X204RNA; redundant network access; 4x 100 Mbit/s RJ45 ports; LED diagnostics; error-signaling contact with set button; redundant power supply; network management; incl. electronic manual on CD-ROM, C-plug optional for HSR networks;



Product type designation	SCALANCE X204RNA
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
• for network components or terminal equipment	4
Interfaces / other	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	2
Type of electrical connection	
• 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	24 V
• external / minimum	19.2 V
• external / maximum	28.8 V
Supply voltage / 2 / Rated value	
• Type of voltage / 2 / of the supply voltage	DC
Supply voltage / at DC	24 V
• rated value	19.2 ... 28.8 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	2.0 A
Consumed current / maximum	0.15 A
Power loss [W]	
• at DC / at 24 V	3.5 W

Ambient conditions

Ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
Design	compact
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.23 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	No
• S7-1500 rail mounting	No

Product functions / management, configuration, engineering

Product function	
• CLI	Yes

• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	No
• Port mirroring	No
• multiport mirroring	No
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	No
Product function / switch-managed	No
Protocol / is supported	
• Telnet	No
• HTTP	Yes
• HTTPS	Yes
• TFTP	No
• FTP	No
• BOOTP	No
• GMRP	No
• DCP	Yes
• LLDP	No
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	No
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

Product functions / redundancy

Product function	
• Ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	No
• high speed redundancy protocol (HRP) with redundancy manager	No
• high speed redundancy protocol (HRP) with standby redundancy	No

Protocol / is supported / Media Redundancy Protocol (MRP)	No
Product function	
• media redundancy protocol (MRP) with redundancy manager	No
• High-availability Seamless Redundancy (HSR)	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	Yes
• High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling	No
• Passive listening	No

Product functions / Security

Protocol / is supported	
• SSH	Yes

Product functions / time

Product function	
• SICLOCK support	No
Protocol / is supported	
• NTP	No
• SNTP	Yes

Standards, specifications, approvals

Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes
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Standards, specifications, approvals / other

Certificate of suitability	EN 61000-6-4:2001
• C-Tick	Yes
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No
• IEC 61850-3	No
• KC approval	Yes

Standards, specifications, approvals / marine classification

Marine classification association

• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	No
• Royal Institution of Naval Architects (RINA)	No

Standards, specifications, approvals / Product conformity

MTBF	92.45 y
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accessories

Product extension / optional / C-PLUG	Yes
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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

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