

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	
<ul style="list-style-type: none"> for network components or terminal equipment 	4
Interfaces / other	
Number of electrical connections	
<ul style="list-style-type: none"> for signaling contact 	1
<ul style="list-style-type: none"> for power supply 	1
<ul style="list-style-type: none"> for redundant voltage supply 	2
Type of electrical connection	
<ul style="list-style-type: none"> for signaling contact 	2-pole terminal block
<ul style="list-style-type: none"> for power supply 	4-pole terminal block
design of the removable storage	
<ul style="list-style-type: none"> C-PLUG 	Yes
Signal inputs/outputs	

Operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> • at DC / Rated value 	24 V
Operating current / of the signaling contacts	
<ul style="list-style-type: none"> • at DC / maximum 	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> • external 	24 V
<ul style="list-style-type: none"> • external / minimum 	19.2 V
<ul style="list-style-type: none"> • external / maximum 	28.8 V
Supply voltage / 2 / Rated value	
<ul style="list-style-type: none"> • Type of voltage / 2 / of the supply voltage 	DC
Supply voltage / at DC	24 V
<ul style="list-style-type: none"> • 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]	
<ul style="list-style-type: none"> • at DC / at 24 V 	3.5 W

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP20

Design, dimensions and weights

Design	compact
Width	45 mm
Height	100 mm
Depth	87 mm
Net weight	0.23 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-300 rail mounting 	No
<ul style="list-style-type: none"> • S7-1500 rail mounting 	No

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	No
• Port mirroring	No
• multiport mirroring	No
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	No

Product function / switch-managed	No
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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
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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

<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	No
Protocol / is supported / Media Redundancy Protocol (MRP)	No
Product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	No
<ul style="list-style-type: none"> • High-availability Seamless Redundancy (HSR) 	Yes
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	Yes
<ul style="list-style-type: none"> • High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling 	No
<ul style="list-style-type: none"> • Passive listening 	No

Product functions / Security

Protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes

Product functions / time

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

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> • for hazardous zone 	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-4:2001
MTBF	92.45 y

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
<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"> • Railway application in accordance with EN 50124-1 	No

- IEC 61850-3
- KC approval

No
Yes

Standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

No
No
No
No
No
No
No
No

accessories

Product extension / optional / C-PLUG

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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