



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

<b>product type designation</b>	<b>SCALANCE X204RNA</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s
<b>interfaces / for communication / integrated</b>	
number of electrical connections • for network components or terminal equipment	4
<b>interfaces / other</b>	
number of electrical connections • for signaling contact • for power supply	1 1
type of electrical connection • for signaling contact • for power supply	2-pole terminal block 4-pole terminal block
design of the removable storage • C-PLUG	Yes
<b>signal inputs/outputs</b>	
operating voltage / of the signaling contacts • at DC / rated value	24 V
operational current / of the signaling contacts • at DC / maximum	0.1 A
<b>supply voltage, current consumption, power loss</b>	
product component / connection for redundant voltage supply	Yes
<b>type of voltage / 1 / of the supply voltage</b> • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input • fuse protection type / 1 / at input for supply voltage	DC 24 V 3.5 W 19.2 ... 28.8 V 0.15 A 4-pole terminal block Yes 2.0 A
<b>ambient conditions</b>	
ambient temperature • during operation • during storage • during transport	-40 ... +60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity • at 25 °C / without condensation / during operation / maximum	95 %

protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	45 mm
height	100 mm
depth	87 mm
net weight	0.23 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
<b>product functions / management, configuration, engineering</b>	
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
<b>product functions / diagnostics</b>	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
<b>product functions / redundancy</b>	
product function	
• ring redundancy	No
• 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

<ul style="list-style-type: none"> <li>• High-availability Seamless Redundancy (HSR)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling</li> </ul>	No
<ul style="list-style-type: none"> <li>• passive listening</li> </ul>	No
<b>product functions / security</b>	
protocol / is supported	
<ul style="list-style-type: none"> <li>• SSH</li> </ul>	Yes
<b>product functions / time</b>	
product function	
<ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul>	No
protocol / is supported	
<ul style="list-style-type: none"> <li>• NTP</li> </ul>	No
<ul style="list-style-type: none"> <li>• SNTP</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
standard	
<ul style="list-style-type: none"> <li>• for FM</li> </ul>	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
<ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
<ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>	EN 61000-6-4:2001
MTBF	92.45 y
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> </ul>	KF
<ul style="list-style-type: none"> <li>• according to IEC 81346-2:2019</li> </ul>	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
<b>standards, specifications, approvals / hazardous environments</b>	
standard / for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
certificate of suitability	
<ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> </ul>	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	EN 61000-6-4:2001
<ul style="list-style-type: none"> <li>• C-Tick</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• KC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• railway application in accordance with EN 50155</li> </ul>	No
<ul style="list-style-type: none"> <li>• railway application in accordance with EN 50124-1</li> </ul>	No
<ul style="list-style-type: none"> <li>• IEC 61850-3</li> </ul>	No
<b>standards, specifications, approvals / marine classification</b>	
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• French marine classification society (BV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Det Norske Veritas (DNV)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Germanische Lloyd (GL)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Nippon Kaiji Kyokai (NK)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Polski Rejestr Statkow (PRS)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Royal Institution of Naval Architects (RINA)</li> </ul>	No
<b>accessories</b>	
product extension / optional / C-PLUG	Yes
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>

security information

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last modified:

7/8/2022 