



SCALANCE X204RNA EEC; redundant network access 2x 100 Mbit/s RJ45 ports; 2x 100 Mbit/s combo ports; LED diagnostics; error signaling contact with set pushbutton; simple power supply; network management; including electronic manual on CD-ROM, C-PLUG optional for HSR network;

product type designation	
product brand name	SCALANCE
product type designation	X204RNA EEC
Technical Product Detail Page	<a href="https://i.siemens.com/1P6GK5204-0BS00-2NA3">https://i.siemens.com/1P6GK5204-0BS00-2NA3</a>
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	2
number of combo ports / with RJ45 interface for optical plug-in transceiver	2
interfaces / other	
number of electrical connections	
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for signaling contact	3-pole terminal block
• for power supply	3-pole terminal block
design of the removable storage	
• C-PLUG	Yes
operating voltage / of the signaling contacts	
• at AC / rated value	230 V
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at AC / maximum	0.1 A
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	6 W
• supply voltage / 1 / voltage range	85 ... 276
• consumed current / 1 / maximum	0.25 A
• type of electrical connection / 1 / for power supply	3-pole terminal block
• product component / 1 / fusing at power supply input	Yes
type of voltage / 2 / of the supply voltage	
• supply voltage / 2 / voltage range	85 ... 276
ambient conditions	
ambient temperature	

• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• note	A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	70 mm
height	147 mm
depth	123 mm
net weight	0.78 kg
product feature / conformal coating	Yes
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	No
• 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
• 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>	
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function	

• media redundancy protocol (MRP) with redundancy manager	No
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	No
• high speed redundancy protocol (HRP) with standby redundancy	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
<b>product functions / security</b>	
protocol / is supported	
• SSH	Yes
<b>product functions / time</b>	
product function	
• SICLOCK support	No
protocol / is supported	
• NTP	No
• SNTP	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
• UKCA marking	Yes
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC	IEC 61850, IEEE 1613
• for EMC interference emission	EN 61000-6-4:2001 (Class A)
• for immunity to EMC	EN 61000-6-4:2001
• for safety / from CSA and UL	UL 508 E85972, CSA C22.2 no. 142-M1987
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
• railway application in accordance with EN 50155	Yes
• railway application in accordance with EN 50121-4	Yes
• railway application in accordance with EN 50124-1	No
• fire protection in accordance with EN 45545-2	Yes
• IEC 61850-3	Yes
• IEEE 1613	Yes
• RoHS conformity	Yes
<b>standards, specifications, approvals / marine classification</b>	
Marine classification association	
• Royal Institution of Naval Architects (RINA)	Yes
<b>product functions / general</b>	
MTBF	67.64 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	

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### Approvals / Certificates

#### General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)

General Product Approval	EMV	For use in hazardous locations	Test Certificates	Maritime application
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[Miscellaneous](#)



[KC](#)

[FM](#)

[Type Test Certificates/Test Report](#)



#### Maritime application



[NK / Nippon Kaiji Kyokai](#)



#### Railway

[Confirmation](#)

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