



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 PRP and HSR networks;.

product type designation	
product brand name	SCALANCE
product type designation	X204RNA EEC
transfer rate	
transfer rate	10 Mbit/s, 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	
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	6 W
• supply voltage / 1 / rated value	85 ... 276 V
• 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
• fuse protection type / 1 / at input for supply voltage	1.25 A
type of voltage / 2 / of the supply voltage	AC
• supply voltage / 2 / rated value	85 ... 276 V
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C

<ul style="list-style-type: none"> during transport note 	-40 ... +70 °C A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
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	70 mm
height	147 mm
depth	123 mm
net weight	0.78 kg
product feature / conformal coating	Yes
fastening method <ul style="list-style-type: none"> 35 mm DIN-rail mounting wall mounting S7-300 rail mounting S7-1500 rail mounting 	Yes No No No
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> CLI web-based management MIB support TRAPs via email configuration with STEP 7 port mirroring multiport mirroring with IRT / PROFINET IO switch PROFINET IO diagnosis switch-managed 	Yes Yes Yes Yes No No No No No No
protocol / is supported <ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP FTP BOOTP GMRP DCP LLDP SNMP v1 SNMP v2 SNMP v3 IGMP (snooping/querier) 	No Yes Yes No No No No Yes No Yes Yes Yes No
identification & maintenance function <ul style="list-style-type: none"> I&M0 - device-specific information I&M1 - higher level designation/location designation 	Yes Yes
product functions / diagnostics	
product function <ul style="list-style-type: none"> port diagnostics statistics Packet Size statistics packet type error statistics 	Yes Yes Yes Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function <ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager ring redundancy high speed redundancy protocol (HRP) with redundancy manager 	No No No

<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	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 	Yes
<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	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • cULus approval 	Yes
<ul style="list-style-type: none"> • KC approval 	Yes
<ul style="list-style-type: none"> • Regulatory Compliance Mark (RCM) 	Yes
standard	
<ul style="list-style-type: none"> • for EMC 	IEC 61850, IEEE 1613
<ul style="list-style-type: none"> • for EMC interference emission 	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> • for immunity to EMC 	EN 61000-6-4:2001
<ul style="list-style-type: none"> • for safety / from CSA and UL 	UL 508 E85972, CSA C22.2 no. 142-M1987
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • railway application in accordance with EN 50155 	Yes
<ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 	Yes
<ul style="list-style-type: none"> • railway application in accordance with EN 50124-1 	No
<ul style="list-style-type: none"> • fire protection in accordance with EN 45545-2 	Yes
<ul style="list-style-type: none"> • IEC 61850-3 	Yes
<ul style="list-style-type: none"> • IEEE 1613 	Yes
<ul style="list-style-type: none"> • RoHS conformity 	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> • French marine classification society (BV) 	Yes
<ul style="list-style-type: none"> • DNV GL 	Yes
<ul style="list-style-type: none"> • Korean Register of Shipping (KRS) 	Yes
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	Yes
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	Yes
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	Yes
<ul style="list-style-type: none"> • Royal Institution of Naval Architects (RINA) 	Yes
product functions / general	
MTBF	67.64 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	KF
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	KFE
Warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> • to website: Industrial communication 	https://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> • to website: Image database 	https://www.automation.siemens.com/bilddb

- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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General Product Approval

EMV

For use in hazardous locations

Test Certificates

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