



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	SCALANCE 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
signal inputs/outputs	
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 / 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	
• supply voltage / 2 / rated value	85 ... 276 V
ambient conditions	
ambient temperature	

<ul style="list-style-type: none"> during operation during storage during transport note 	-40 ... +70 °C -40 ... +70 °C -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 top hat 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 	Yes Yes Yes Yes No No No No No
product function / switch-managed	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	
product function <ul style="list-style-type: none"> ring redundancy High Speed Redundancy Protocol (HRP) 	Yes No

<ul style="list-style-type: none"> 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 safety / from CSA and UL 	UL 508, CSA C22.2 No. 142-M1987
<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	67.64 y
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
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standard	
<ul style="list-style-type: none"> for EMC 	IEC 61850, IEEE 1613
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
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"> KC approval 	Yes
<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
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
accessories	
product extension / optional / C-PLUG	Yes
further information / internet-Links	
Internet-Link <ul style="list-style-type: none"> • to web page: selection aid TIA 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/tia-selection-tool 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	<p>Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)</p>

last modified:

7/8/2022 