

Product type designation

SCALANCE X204RNA

SCALANCE X204RNA; REDUNDANT NETWORK ACCESS FOR PRP NETWORKS; 4 X 100MBIT/S RJ45 PORTS; LED-DIAGNOSTICS; FAULT SIGNAL CONTACT MIT SET BUTTON; REDUNDANT POWER SUPPLY; NETWORK MANAGEMENT; INCL. ELECTRONIC MANUAL ON CD; C-PLUG OPTIONAL



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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Interfaces

Number of electrical/optical connections <ul style="list-style-type: none"> for network components or terminal equipment / maximum 	4
Type of electrical connection <ul style="list-style-type: none"> for network components or terminal equipment 	RJ45 port

Interfaces / for communication / integrated

Number of electrical connections / for network components or terminal equipment	4
Number of 100 Mbit/s SC ports <ul style="list-style-type: none"> for multimode 	0

Interfaces / others

Number of electrical connections <ul style="list-style-type: none"> for signaling contact for power supply 	1 1
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<ul style="list-style-type: none"> • for redundant voltage supply 	2
Type of electrical connection	
<ul style="list-style-type: none"> • for signaling contact • for power supply 	2-pole terminal block 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 • external 	24 V 19.2 ... 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	
<ul style="list-style-type: none"> • at DC • at DC / Rated value / minimum • at DC / Rated value / maximum 	24 V 19.2 V 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
Active power loss	
<ul style="list-style-type: none"> • at DC / at 24 V 	3.5 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-40 ... +60 °C -40 ... +70 °C -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 weight

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 • wall mounting • S7-300 rail mounting • S7-1500 rail mounting 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>

Product functions / management, configuration

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 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
Protocol / is supported	
<ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • GMRP • DCP • LLDP • IGMP (snooping/querier) 	<p>No</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
Identification & maintenance function	
<ul style="list-style-type: none"> • I&M0 - device-specific information • I&M1 – higher-level designation/location designation 	<p>Yes</p> <p>Yes</p>
Protocol / is supported	
<ul style="list-style-type: none"> • SNMP v1 • SNMP v2 • SNMP v3 	<p>Yes</p> <p>Yes</p> <p>Yes</p>

Product functions / Diagnosis

Product function	
<ul style="list-style-type: none"> • Port diagnostics • Statistics Packet Size 	<p>Yes</p> <p>Yes</p>

- Statistics packet type Yes
- Error statistics Yes

Product functions / Redundancy

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
• Parallel Redundancy Protocol (PRP)	Yes
• High-availability Seamless Redundancy (HSR)	No
• High-availability Seamless Redundancy (HSR) and Parallel Redundancy Protocol (PRP) coupling	No
• Passive listening	No

Product functions / Security

Protocol / is supported	
• SSH	Yes

Product functions / Time

Product function	
• SICLOCK support	No
Protocol / is supported	
• NTP	No
• SNTP	Yes

Standards, specifications, approvals

Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001
Certificate of suitability	EN 61000-6-4:2001
• CE marking	Yes
• 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 	No
<ul style="list-style-type: none"> • Railway application in accordance with EN 50124-1 	No
<ul style="list-style-type: none"> • IEC 61850-3 	No
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	No
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	No
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	No
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	No
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	No
<ul style="list-style-type: none"> • Royal Institution of Naval Architects (RINA) 	No
MTBF / at 40 °C	92.45 y

Accessories

Product expansion / optional / C-PLUG	Yes
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Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

Security information

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last modified:

22.10.2015