

Product description



Configurable version for use in PRP or HSR networks
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 button; simple power supply; network management; incl. electronic manual on CD-ROM, C-plug optional for PRP and HSR networks;

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
for redundant voltage 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
Operating current / of the signaling contacts	
• at AC / maximum	0.1 A
• at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Supply voltage	
• at AC	230 V
• at AC / rated value	85 ... 276 V
Supply voltage / 2 / Rated value	
• Type of voltage / 2 / of the supply voltage	DC
Supply voltage / at DC	24 V
• rated value	19.2 ... 300 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	1.25 A
Consumed current / maximum	0.25 A
Power loss [W]	
• at DC / at 24 V	6 W

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
Design	compact
Width	70 mm
Height	147 mm
Depth	123 mm
Net weight	0.78 kg
Product feature / conformal coating	Yes
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	No

- S7-300 rail mounting
- S7-1500 rail mounting

No
No

Product functions / management, configuration, engineering

Product function

- 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

- 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

- I&M0 - device-specific information
- I&M1 – higher-level designation/location designation

Yes
Yes

Product functions / Diagnostics

Product function

- Port diagnostics
- Statistics Packet Size
- Statistics packet type
- Error statistics

Yes
Yes
Yes
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
• 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	Yes
• 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 508, CSA C22.2 No. 142-M1987
• for emitted interference	EN 61000-6-4:2001 (Class A)
• for interference immunity	EN 61000-6-4:2001
Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes
Standard	
• for EMC	IEC 61850, IEEE 1613
Standards, specifications, approvals / other	
Certificate of suitability	EN 61000-6-4:2001

- C-Tick
- Railway application in accordance with EN 50155
- Railway application in accordance with EN 50121-4
- Railway application in accordance with EN 50124-1
- Fire protection in accordance with EN 45545-2
- IEC 61850-3
- IEEE 1613
- KC approval

Yes
Yes
Yes
No
Yes
Yes
Yes
Yes

Standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- DNV GL
- Korean Register of Shipping (KRS)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

Standards, specifications, approvals / Product conformity

MTBF

67.64 y

accessories

Product extension / optional / C-PLUG

Yes

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET 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/snst>
<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

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