

SCALANCE X204-2, managed IE switch, 4x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, LED diagnostics, error signaling contact with set button, redundant power supply, PROFINET IO device, network management; Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional



Product type designation	SCALANCE X204-2
Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	4
Number of 10/100 Mbit/s RJ45 ports / Integrated	
• with securing collar	4
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
Interfaces / others	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	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 	24 V
<ul style="list-style-type: none"> • external / minimum 	18 V
<ul style="list-style-type: none"> • external / maximum 	32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.265 A
Power loss [W]	
<ul style="list-style-type: none"> • at DC / at 24 V 	6.36 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP30
Design, dimensions and weight	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> • S7-1500 rail mounting 	No
Product properties, functions, components / general	
Cascading in the case of a redundant ring / at reconfiguration time of ≤ 0.3 s	100

Cascading in cases of star topology	any (depending only on signal propagation time)
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Product functions / management, configuration

Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• Port mirroring	Yes
• multiport mirroring	No
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes

Product functions / Diagnosis

Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes

Product functions / DHCP

Product function	
• DHCP client	Yes

Product functions / Redundancy

Product function	
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• Ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	No
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
• Passive listening	Yes

Product functions / Security

Protocol / is supported	
• SSH	Yes

Product functions / Time

Product function	
• SICLOCK support	Yes
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 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous zone / from CSA and UL	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
• 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
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Standards, specifications, approvals / miscellaneous

Certificate of suitability	EN 61000-6-4:2001
• C-Tick	Yes

- Railway application in accordance with EN 50155 No
- Railway application in accordance with EN 50124-1 No
- KC approval Yes

Standards, specifications, approvals / ship classification

- Marine classification association
- American Bureau of Shipping Europe Ltd. (ABS) Yes
 - Bureau Veritas (BV) Yes
 - Det Norske Veritas (DNV) Yes
 - Germanische Lloyd (GL) Yes
 - Lloyds Register of Shipping (LRS) Yes
 - Nippon Kaiji Kyokai (NK) Yes
 - Polski Rejestr Statkow (PRS) Yes
 - Royal Institution of Naval Architects (RINA) No

Standards, specifications, approvals / product conformity

MTBF 74.64 y

Accessories

Further Information / Internet Links

- Internet-Link
- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
 - to website: Industrial communication <http://www.siemens.com/simatic-net>
 - to website: Industry Mall <https://mall.industry.siemens.com>
 - to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
 - to website: Image database <http://automation.siemens.com/bilddb>
 - to website: CAx Download Manager <http://www.siemens.com/cax>
 - to website: Industry Online Support <https://support.industry.siemens.com>

Security information

Security information

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