



SCALANCE X204-2LD TS; managed IE switch; 4x 10/100 Mbit/s RJ45 ports; 2x 100 Mbit/s Single-mode 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 X204-2LD TS
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 single mode (LD)	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	
• C-PLUG	Yes
Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.05 A
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	12 V
• external / minimum	10 V
• external / maximum	30 V
Supply voltage / at DC	24 V
• rated value	10 ... 30 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	3 A / 32 V
Consumed current / maximum	0.6 A
Power loss [W]	
• at DC / at 24 V	6.6 W
Permitted ambient conditions	
Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• Note	If the IE switch X-204-2LD TS is installed horizontally a maximum ambient temperature of +40 °C is permitted
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.78 kg
Product feature / conformal coating	Yes
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes

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

Yes

No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of $< \sim 0.3 \text{ s}$

100

Cascading in cases of star topology

any (depending only on signal propagation time)

Product functions / management, configuration

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

Yes

Yes

No

No

Yes

PROFINET conformity class

B

Product function / switch-managed

Yes

Protocol / is supported

- Telnet
- HTTP
- HTTPS
- TFTP
- FTP
- BOOTP
- DCP
- LLDP
- SNMP v1
- SNMP v2
- SNMP v3

Yes

Yes

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

Yes

Identification & maintenance function

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

Yes

Yes

Product functions / Diagnosis

Product function

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

Yes

Yes

Yes

Yes

Product functions / DHCP	
Product function	
• DHCP client	Yes
Product functions / Redundancy	
Product function	
• 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
• 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, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• 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 (Class A)
• for interference immunity	EN 61000-6-2
Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes
Standards, specifications, approvals / miscellaneous	
Certificate of suitability	EN 61000-6-2, EN 61000-6-4

- 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
- KC approval

Yes
Yes
Yes
No
Yes

Standards, specifications, approvals / ship classification

Marine classification association

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

Yes
Yes
No
No
Yes
Yes
Yes
Yes
Yes

Standards, specifications, approvals / product conformity

MTBF

85.01 y

Accessories

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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