

product-type designation

SCALANCE X204-2LD



SCALANCE X204-2LD, MANAGED IE SWITCH,  
 4 X 10/100MBIT/S RJ45 PORTS,  
 2 X 100MBIT/S SINGLEMODE BFOC,  
 LED-DIAGNOSIS,  
 FAULT SIGNAL. CONTACT WITH SET BUTTON,  
 REDUNDANT POWER SUPPLY,  
 PROFINET-IO DEVICE,  
 NETWORK- MANAGEMENT,  
 OPERAT. IN RED. RING,  
 INCL. ELECTRON. MANUAL ON CD ROM,  
 C-PLUG OPTIONAL

Transmission rate

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s

Interfaces

Number of electrical connections	6
<ul style="list-style-type: none"> <li>• [nicht versorgt - für Netzkomponenten und Endgeräte]</li> </ul>	4
<ul style="list-style-type: none"> <li>• for alarm contact</li> </ul>	1
<ul style="list-style-type: none"> <li>• [nicht versorgt - für Spannungsversorgung]</li> </ul>	1
<ul style="list-style-type: none"> <li>• [nicht versorgt - für redundante Spannungsversorgung]</li> </ul>	1
Design of the electrical connection	
<ul style="list-style-type: none"> <li>• [nicht versorgt - für Netzkomponenten und Endgeräte]</li> </ul>	RJ45 port
<ul style="list-style-type: none"> <li>• [nicht versorgt - für Meldekontakt]</li> </ul>	2-pole terminal block
<ul style="list-style-type: none"> <li>• [nicht versorgt - für Spannungsversorgung]</li> </ul>	4-pole terminal block
Number of optical interfaces / for optical waveguide / at 100 Mbit/s	2
Design of the optical interface / for optical waveguide / at 100 Mbit/s	BFOC port (singlemode up to 26 km)
[nicht versorgt: PMD_ABS604_001_000]	
<ul style="list-style-type: none"> <li>•</li> </ul>	-15 dB ... -7 dB
	-34 dB
	0 dB

Version of the swap medium / C-Plug	Yes
<b>Inputs/outputs</b>	
	24 V
	0.1 A
<b>Supply voltage, current consumption, power loss</b>	
Type of voltage / of the supply voltage	DC
Supply voltage / external	24 V
• minimum	18 V
• maximum	32 V
	Yes
	0.6A / 60V
Consumed current / [nicht versorgt - maximal]	0.215 A
Active power loss / at 24 V / for DC	6.36 W
<b>Permitted ambient conditions</b>	
Ambient temperature	
• during the operating phase	-40 °C ... 60 °C
• during storage	-40 °C ... 70 °C
• during transport	-40 °C ... 70 °C
Relative humidity / at 25 °C / without condensation / during the operating phase / maximum	95 %
Protection class IP	IP 30
<b>Design, dimensions and weight</b>	
Design	Compact
Width	60 mm
Height	125 mm
Depth	124 mm
net weight	0.78 kg
Type of fixing	
• 35 mm DIN rail mounting	Yes
• wall-mounting	Yes
• S7-300 rail mounting	Yes
<b>Product properties, functions, components / general</b>	
Cascading in the case of a redundant ring / at reconfiguration time of <math>\leq 0.3\text{ s}</math>	50
Cascading in cases of star structuring	Any (depending only on signal propagation time)
<b>Product functions / Configuration/management</b>	
Product function	
• CLI	Yes
• web-based Management	Yes
• MIB support	Yes

• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• SMTP server	Yes
• Port mirroring	Yes
• for IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• [nicht versorgt - HTTP]	Yes
• [nicht versorgt - HTTPS]	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• DCP	Yes
• [nicht versorgt - LLDP]	Yes
<b>Product functions / Diagnosis</b>	
Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error Statistics	Yes
<b>Product functions / DHCP</b>	
Product function / DHCP client	Yes
<b>Product functions / Redundancy</b>	
Product function	
• Ring redundancy	Yes
• Redundancy manager	Yes
• Standby redundancy	No
• HSR redundancy protocol	Yes
• MRP redundancy protocol	Yes
• Passive listening	Yes
<b>Product functions / Security</b>	
Protocol / is supported / SSH	Yes
<b>Product functions / Time</b>	
Product function / SICLOCK support	Yes

Protocol / is supported

- NTP
- SNTP

No

Yes

## Standards, specifications, approvals

Norm

- for EMC / from FM
- for Ex-zone
- for safety / of CSA and UL
- for hazardous area / of CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Division 2, Group A, B, C, D / T.., CL.1, Zone 2, GP. IIC, T.. Ta

EN 50021

UL 60950-1, CSA C22.2 No. 60950-1

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

EN 61000-6-4 (Class A)

EN 61000-6-2

Verification of suitability

EN 61000-6-2, EN 61000-6-4

- CE-mark
- C-Tick

Yes

Yes

Marine classification association/ Polski Rejestr Statkow (PRS)

- [nicht versorgt - American Bureau of Shipping Europe Ltd. (ABS)]
- [nicht versorgt - Bureau Veritas (BV)]
- [nicht versorgt - Det Norske Veritas (DNV)]
- [nicht versorgt - Germanische Lloyd (GL)]
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
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No

Yes

Yes

Yes

Yes

Yes

Yes

**letzte Änderung:**

Feb 7, 2011