



SCALANCE XF204-2, flat, Managed IE switch, 4x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s FO ports, Error signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional.

product type designation		SCALANCE XF204-2
<b>transfer rate</b>		
transfer rate		10 Mbit/s, 100 Mbit/s
<b>interfaces / for communication / maximum configuration for modular devices</b>		
number of electrical ports / maximum	4	
number of optical ports / maximum		2
<b>interfaces / for communication / integrated</b>		
number of electrical connections	4	
• for network components or terminal equipment		
number of 10/100 Mbit/s RJ45 ports / integrated	4	
• with securing collar		
number of 100 Mbit/s ST(BFOC) ports	2	
• for multimode		
<b>interfaces / other</b>		
number of electrical connections	1	
• for signaling contact		
• for power supply		1
type of electrical connection	2-pole terminal block 4-pole terminal block	
• for signaling contact		
• for power supply		
design of the removable storage	Yes	
• C-PLUG		
<b>signal inputs/outputs</b>		
operating voltage / of the signaling contacts	24 V	
• at DC / rated value		
operational current / of the signaling contacts	0.1 A	
• at DC / maximum		
<b>supply voltage, current consumption, power loss</b>		
product component / connection for redundant voltage supply	Yes DC 24 V 5.28 W 18 ... 32 V 0.22 A 4-pole terminal block Yes 1.1 A / 33 V	
<b>type of voltage / 1 / of the supply voltage</b>		
• supply voltage / 1 / rated value		
• power loss [W] / 1 / rated value		
• supply voltage / 1 / rated value		
• consumed current / 1 / maximum		
• type of electrical connection / 1 / for power supply		
• product component / 1 / fusing at power supply input		
• fuse protection type / 1 / at input for supply voltage		
<b>ambient conditions</b>		
ambient temperature	-40 ... +60 °C	
• during operation		

• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• note	If the IE-Switch XF-200 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
<b>design, dimensions and weights</b>	
design	Flat
width	75 mm
height	125 mm
depth	73 mm
net weight	0.25 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
<b>product features, product functions, product components / general</b>	
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)
<b>product functions / management, configuration, engineering</b>	
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
PROFINET conformity class	B
product function / 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
<b>product functions / diagnostics</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	
• 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	
<b>product functions / security</b>		
protocol / is supported		
• SSH	Yes	
<b>product functions / time</b>		
product function		
• SICLOCK support	Yes	
protocol / is supported		
• NTP	No	
• SNTP	Yes	
<b>standards, specifications, approvals</b>		
standard		
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM16US0205X	
• for emitted interference	EN 61000-6-4:2001 (Class A)	
• for interference immunity	EN 61000-6-2:2001	
MTBF	43.58 a	
reference code		
• according to IEC 81346-2	KF	
• according to IEC 81346-2:2019	KFE	
<b>standards, specifications, approvals / CE</b>		
certificate of suitability / CE marking	Yes	
<b>standards, specifications, approvals / hazardous environments</b>		
standard / 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	
• 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, E240480	
certificate of suitability		
• CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8	
• CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc	
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)	
<b>standards, specifications, approvals / other</b>		
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001	
• C-Tick	Yes	
• KC approval	Yes	
• railway application in accordance with EN 50155	No	
• railway application in accordance with EN 50124-1	No	
<b>standards, specifications, approvals / marine classification</b>		
Marine classification association		
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	
• French marine classification society (BV)	Yes	
• Det Norske Veritas (DNV)	No	
• Germanische Lloyd (GL)	No	
• DNV GL	Yes	
• Lloyds Register of Shipping (LRS)	Yes	
• Nippon Kaiji Kyokai (NK)	Yes	
• Polski Rejestr Statków (PRS)	Yes	

**further information / internet links**

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Selection guide for cables and connectors
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/tia-selection-tool>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<https://sie.ag/2QdlxcP>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

**security information**

security information

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**Approvals / Certificates**

General Product Approval	EMC	For use in hazardous locations
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[Manufacturer Declaration](#)



[Miscellaneous](#)



[ATEX-Zone 2-Declaration](#)



IECEx

[For use in hazardous locations](#)

[Declaration of Conformity](#)

FM

CCC-Ex



[Declaration of Conformity](#)

[Marine / Shipping](#)

[Manufacturer Declaration](#)



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other

Environment



[PROFINET-Certification](#)



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