



SCALANCE XF204-2BA DNA managed IE Y-switch, IEC 62443-4-2 certified; 4 x 10/100 Mbit/s, 2 x BusAdapter interface, error signaling contact, set pushbutton, redundant 24 V DC power supply, PROFINET device, extended temperature range -40 °C...+70 °C, conformal coating, with electr. manual on DVD, C-PLUG optional, supplied without BusAdapter

product type designation	
product brand name	SCALANCE
product type designation	XF204-2BA DNA
Technical Product Detail Page	https://i.siemens.com/1P6GK5204-2AA00-2YF2
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	0
interfaces / other	
number of electrical connections	
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	2-pole terminal block
design of the removable storage	
• C-PLUG	Yes
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	8.6 W
• supply voltage / 1 / voltage range	19.2 ... 28.8
• consumed current / 1 / maximum	0.36 A
• type of electrical connection / 1 / for power supply	2-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	2.5 A (cannot be replaced by user)
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity	
• at 25 °C / without condensation / during operation /	95 %

maximum	
protection class IP	IP20
design, dimensions and weights	
design	compact
width	100 mm
height	117 mm
depth	74 mm
net weight	0.21 kg
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
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	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
network load class / according to PROFINET	II
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	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 / diagnostics	
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	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager	Yes

<ul style="list-style-type: none"> Media Redundancy Protocol for Planned Duplication (MRPD) 	No
<ul style="list-style-type: none"> of the PROFINET IO device / is supported / H-Sync forwarding 	Yes
<ul style="list-style-type: none"> of the PROFINET IO device / is supported / PROFINET system redundancy 	Yes
<ul style="list-style-type: none"> ring redundancy 	Yes
<ul style="list-style-type: none"> high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> high speed redundancy protocol (HRP) with standby redundancy 	Yes
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	No
<ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
<ul style="list-style-type: none"> passive listening 	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	
<ul style="list-style-type: none"> RADIUS client 	Yes
protocol / is supported	
<ul style="list-style-type: none"> SSH 	Yes
product functions / time	
product function	
<ul style="list-style-type: none"> SICLOCK support 	No
protocol / is supported	
<ul style="list-style-type: none"> NTP 	No
<ul style="list-style-type: none"> SNTP 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> CE marking 	Yes
<ul style="list-style-type: none"> cULus approval 	Yes
<ul style="list-style-type: none"> KC approval 	Yes
<ul style="list-style-type: none"> Regulatory Compliance Mark (RCM) 	Yes
standard	
<ul style="list-style-type: none"> for EMC interference emission 	EN 61000-6-4:2001 (Class A)
<ul style="list-style-type: none"> for immunity to EMC 	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> for safety / from CSA and UL 	UL 508 E85972
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> ATEX 	Yes
<ul style="list-style-type: none"> UKEX 	Yes
<ul style="list-style-type: none"> IECEX 	Yes
<ul style="list-style-type: none"> ULhazloc approval 	Yes
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard 	Yes
<ul style="list-style-type: none"> FM registration 	Yes
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> railway application in accordance with EN 50155 	No
<ul style="list-style-type: none"> railway application in accordance with EN 50124-1 	No
<ul style="list-style-type: none"> RoHS conformity 	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / marine classification	
certificate of suitability / shipbuilding approval / note	Certifications marked 'No' are currently under renewal.
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) 	No
<ul style="list-style-type: none"> French marine classification society (BV) 	No
<ul style="list-style-type: none"> Chinese Classification Society (CCS) 	No
<ul style="list-style-type: none"> Det Norske Veritas (DNV) 	No

<ul style="list-style-type: none">• Korean Register of Shipping (KRS)• Lloyds Register of Shipping (LRS)• Nippon Kaiji Kyokai (NK)• Polski Rejestr Statkow (PRS)• Royal Institution of Naval Architects (RINA)	No No No No Yes	
standards, specifications, approvals / Environmental Product Declaration		
Environmental Product Declaration	Yes	
global warming potential [CO2 eq]		
<ul style="list-style-type: none">• total• during manufacturing• during operation• after end of life	95.76 kg 20.21 kg 75.23 kg 0.32 kg	
product functions / general		
warranty period	5 a	
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022	
further information / internet links		
internet link <ul style="list-style-type: none">• to website: Selection guide for cables and connectors• to web page: selection aid TIA Selection Tool• to website: Industrial communication• to web page: SiePortal• to website: Image database• to website: CAx-Download-Manager• to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com	
security information		
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	
Approvals / Certificates		
General Product Approval		
 EG-Konf.	Declaration of Conformity	
	China RoHS	
	Declaration of Conformity	
General Product Approval	EMV	For use in hazardous locations
 RCM		 IECEX
 ATEX		 FM
For use in hazardous locations	Maritime application	

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application

Environment

Industrial Communication



[PROFINET](#)

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