



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	
product brand name	SCALANCE
product type designation	XF204-2
Technical Product Detail Page	https://l.siemens.com/1P6GK5204-2BC00-2AF2
transfer rate	
transfer rate	10, 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	
• with securing collar	4
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
transmission method / of the optical interface	100BaseFX
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	4-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	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	5.28 W
• supply voltage / 1 / voltage range	18 ... 32
• consumed current / 1 / maximum	0.22 A
• type of electrical connection / 1 / for power supply	4-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	1,1 A / 33 V
ambient conditions	
ambient temperature	

<ul style="list-style-type: none"> • during operation • during storage • during transport • note 	-40 ... +60 °C -40 ... +70 °C -40 ... +70 °C If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted
relative humidity <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
design, dimensions and weights	
design	flat
width	75 mm
height	125 mm
depth	73 mm
net weight	0.25 kg
fastening method <ul style="list-style-type: none"> • 35 mm DIN-rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting 	Yes No No No
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s	100
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> • 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 • switch-managed 	Yes Yes Yes Yes Yes Yes No No Yes Yes
PROFINET conformity class	B
protocol / is supported <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • I&M0 - device-specific information • I&M1 - higher level designation/location designation 	Yes Yes
product functions / diagnostics	
product function <ul style="list-style-type: none"> • 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	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	No
• 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	
certificate of suitability	
• CE marking	Yes
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4:2001 (Class A)
• for immunity to EMC	EN 61000-6-2:2001
• for safety / from CSA and UL	UL 60950-1 E115352, CSA C22.2 No. 60950-1 - E115352
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• ULhazloc approval	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
• railway application in accordance with EN 50155	No
• railway application in accordance with EN 50124-1	No
• RoHS conformity	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	183.07 kg
• during manufacturing	16.65 kg
• during operation	165.97 kg
• after end of life	0.45 kg
product functions / general	

MTBF	43.58 a				
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 https://support.industry.siemens.com/cs/ww/en/view/109766358to web page: selection aid TIA Selection Tool https://www.siemens.com/tstcloudto website: Industrial communication https://www.siemens.com/simatic-netto web page: SiePortal https://sieportal.siemens.com/to website: Image database https://www.automation.siemens.com/bilddbto website: CAX-Download-Manager https://www.siemens.com/caxto website: Industry Online Support 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 Con- formity	 CCC		China RoHS	
General Product Approval		EMV	For use in hazardous locations		
 UL	Miscellaneous	 RCM		 IECEX	 ATEX
For use in hazardous locations		Maritime application			
FM	CCC-Ex	 ABS	 BUREAU VERITAS	 DNV	 LRS
Maritime application		Environment	Industrial Communication		
NK / Nippon Kaiji Ky- okai	 PRS	 RINA	 EPD	PROFINET	

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