



SCALANCE XB124 unmanaged IE switch, 24x 10/100 Mbit/s RJ45 ports; for setting up small star and line topologies; LED diagnostics, IP20, Redundant power supply, 24 V AC/DC Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB124
Technical Product Detail Page	https://i.siemens.com/1P6GK5124-0BA00-2AB2
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	24; RJ45
interfaces / other	
number of electrical connections	
• for power supply	1
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	DC
• power loss [W] / 1 / rated value	24 V
• supply voltage / 1 / voltage range	7.2 W
• consumed current / 1 / maximum	19.2 ... 28.8
• product component / 1 / fusing at power supply input	0.3 A
• fuse protection type / 1 / at input for supply voltage	Yes
• fuse protection type / 1 / at input for supply voltage	0.6 A / 60 V
type of voltage / 2 / of the supply voltage	
• supply voltage / 2 / voltage range	AC
• supply voltage / 2 / voltage range	19.2 ... 28.8
ambient conditions	
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	120 mm
height	117 mm
depth	109 mm
net weight	0.535 kg
fastening method	

• 35 mm DIN-rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
• multipoint mirroring	No
• CoS	Yes
• switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
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 (Class B)
• for immunity to EMC	61000-6-2
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
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	
• RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	252.5 kg
• during manufacturing	26.6 kg
• during operation	225.28 kg
• after end of life	0.6 kg
product functions / general	
MTBF	57 a
warranty period	5 a
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	

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Approvals / Certificates

General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)



General Product Approval

EMV

For use in hazardous locations



IECEx



ATEX

FM

[CCC-Ex](#)

Test Certificates

Environment

Industrial Communication

[Type Test Certificates/Test Report](#)



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