



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	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	7.2 W
• supply voltage / 1 / voltage range	19.2 ... 28.8
• consumed current / 1 / maximum	0.3 A
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	0,6 A / 60 V
type of voltage / 2 / of the supply voltage	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	

<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 functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> • multiport mirroring • CoS • switch-managed 	No Yes No
PROFINET conformity class	A
product functions / redundancy	
product function	
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	Yes No
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking • cULus approval • KC approval • Regulatory Compliance Mark (RCM) 	Yes Yes Yes Yes
standard	
<ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL 	EN 61000-6-4 (Class B) 61000-6-2 UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration 	Yes Yes Yes Yes Yes Yes
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • 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 [CO ₂ eq]	
<ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life 	252.5 kg 26.6 kg 225.28 kg 0.6 kg
product functions / general	
MTBF	57 a
warranty period	5 a
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	

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Approvals / Certificates

General Product Approval



[Declaration of Con-
formity](#)



[China RoHS](#)



General Product Ap-
proval

EMV

For use in hazardous locations



[FM](#)

[CCC-Ex](#)

Test Certificates

Environment

Industrial Communication

[Type Test Certifi-
cates/Test Report](#)



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