



SCALANCE X320-3LDFE managed IE switch, 20x 10/100 Mbit/s RJ45 ports, 1x 100 Mbit/s SC Port MM 2x 100 Mbit/s SC Port SM LED diagnostics, error signaling contact with select/set pushbutton, PROFINET IO device, network management, integrated redundancy manager, office features (RSTP, VLAN, IGMP,...) C-PLUG in scope of supply.

product type designation	
product brand name	SCALANCE
product type designation	X320-3LD FE
Technical Product Detail Page	https://i.siemens.com/1P6GK5320-3BF00-2AA3
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	20
for network components or terminal equipment	
number of 10/100 Mbit/s RJ45 ports	20
with securing collar	
number of 100 Mbit/s SC ports	
for multimode	1
for single mode (LD)	2
transmission method / of the optical interface	100BaseFX/100BaseLX LD
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 supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	12 W
supply voltage / 1 / voltage range	18 ... 32
consumed current / 1 / maximum	0.5 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	F 3 A / 32 V

ambient conditions	
ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP30
design, dimensions and weights	
design	compact
width	180 mm
height	125 mm
depth	123 mm
net weight	1.65 kg
fastening method	When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.
• 19-inch installation	No
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• 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	100
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
• RMON	Yes
• port mirroring	Yes
• multiport mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	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 • statistics Packet Size • statistics packet type • error statistics • SysLog	Yes Yes Yes Yes Yes
product functions / VLAN	
product function	
• VLAN - port based • VLAN - protocol-based • VLAN - IP-based • VLAN dynamic	Yes No No Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
product functions / DHCP	
product function	
• DHCP client • DHCP Option 82 • DHCP Option 66 • DHCP Option 67	Yes Yes Yes Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager • ring redundancy • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby redundancy • redundancy procedure STP • redundancy procedure RSTP • redundancy procedure MSTP • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) • passive listening	Yes Yes Yes Yes Yes Yes Yes Yes No Yes
protocol / is supported	
• STP/RSTP • STP • RSTP • MSTP • RSTP big network support • LACP	Yes Yes Yes Yes Yes Yes
product functions / security	
product function	
• IEEE 802.1x (radius) • broadcast/multicast/unicast limiter • broadcast blocking	Yes Yes Yes
protocol / is supported	
• SSH	Yes
product functions / time	
product function	
• SICLOCK support	Yes
protocol / is supported	
• NTP • SNTP • IEEE 1588 profile default	Yes Yes No
standards, specifications, approvals	
certificate of suitability	

• CE marking • UKCA marking • cULus approval • KC approval • Regulatory Compliance Mark (RCM)	Yes Yes Yes Yes Yes
standard • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL	EN 61000-6-4:2007 (Class A) EN 61000-6-2:2005 UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability • 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 • railway application in accordance with EN 50155 • RoHS conformity	No Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / marine classification	
certificate of suitability / shipbuilding approval / note	Certifications marked 'No' are currently under renewal.
Marine classification association • Det Norske Veritas (DNV) • Royal Institution of Naval Architects (RINA)	No Yes
product functions / general	
MTBF	15 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link • 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	



[Declaration of Con-
formity](#)



[China RoHS](#)



General Product Approval

EMV

[Miscellaneous](#)



[China RoHS](#)



For use in hazardous locations

Maritime application



[FM](#)

[CCC-Ex](#)



Maritime application

Industrial Communication



[NK / Nippon Kaiji Ky-
okai](#)



[PROFINET](#)

last modified:

3/10/2026