SIEMENS

Data sheet

6GK5324-4GG00-1ER2



product type designation	SCALANCE XR324-4M EEC	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	16; RJ45	
number of 100 Mbit/s ST(BFOC) ports		
for multimode	8	
number of 100 Mbit/s SC ports		
for multimode	8	
number of 1000 Mbit/s LC ports		
 for multimode 	8	
 for single mode (LD) 	8	
interfaces / other		
number of electrical connections		
 for operator console 	1	
 for signaling contact 	1	
 for media module 	4	
 for power supply 	1	
type of electrical connection		
 for operator console 	RJ11	
 for signaling contact 	2-pole terminal block	
 for power supply 	4-pole terminal block	
design of the removable storage		
• C-PLUG	Yes	
signal inputs/outputs		
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		
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 	40 W	
 supply voltage / 1 / rated value 	19.2 57.6 V	
 consumed current / 1 / maximum 	1.6 A	
 type of electrical connection / 1 / for power supply 	4-pole terminal block	
 product component / 1 / fusing at power supply input 	Yes	
ambient conditions		
ambient temperature		

 during operation 	-40 +70 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
• note	Extended temperature upper limit of +85° C permitted for 16 hours.
	Reduced operating temperature through the use of media modules (-40
	°C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C)
relative humidity	
 at 25 °C / without condensation / during operation / 	95 %
maximum	IP20
protection class IP	IF20
design, dimensions and weights	
design	19" rack
number of modular height units / relating to 19-inch cabinet	1
width	483 mm
height	44 mm
depth	305 mm
net weight	6.5 kg
fastening method	When used in shipbuilding, the device must be secured in the 19" rack
J	at four points
• 19-inch installation	Yes
 35 mm top hat DIN rail mounting 	No
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	100
reconfiguration time of <\~0.3\~s	
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	ng
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
PROFINET conformity class	В
product function / switch-managed	Yes
protocol / is supported	N
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
GMRP DCP	Yes Yes
• DCP • LLDP	Yes
LLDP SNMP v1	Yes
SNMP V1 SNMP v2	Yes
• SNMP V2 • SNMP V3	Yes
IGMP (snooping/querier)	Yes
• IGWP (shooping/querier) identification & maintenance function	100
I&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function	Vaa
 port diagnostics statistics Packet Size 	Yes
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 statistics packet type 	Yes
error statistics	Yes
• SysLog	Yes
product functions / VLAN	
product function	
VLAN - port based	Yes
VLAN - protocol-based	No
• VLAN - IP-based	No
 VLAN dynamic 	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
product functions / redundancy	
product function	
 ring redundancy 	Yes
 High Speed Redundancy Protocol (HRP) 	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
 high speed redundancy protocol (HRP) with standby redundancy 	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 redundancy procedure STP 	Yes
 redundancy procedure RSTP 	Yes
 redundancy procedure MSTP 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
passive listening	Yes
protocol / is supported	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
MSTP STD big petwerk support	Yes
 RSTP big network support LACP 	Yes
product functions / security product function	
ACL - MAC-based	Yes
ACL - MAC-based ACL - port/MAC-based	Yes
IEEE 802.1x (radius)	Yes
broadcast/multicast/unicast limiter	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
product functions / time	
product function	
SICLOCK support	Yes
protocol / is supported	
• NTP	Yes
• SNTP	Yes
IEEE 1588 profile default	Yes
standards, specifications, approvals	

standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2,
	Group IIC, T4
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1-03
 for emitted interference 	EN 61000-6-4:2007 (Class A)
 for interference immunity 	EN 61000-6-2:2005
MTBF	15 a
reference code	
 according to IEC 81346-2 	KF
 according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standard	
for EMC	IEC 61850, IEEE 1613
standards, specifications, approvals / hazardous environr	nents
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07
• from CSA and UL	ATEX 0145X ANSI / ISA 12.12.01, CSA C22.2 No. 142-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005 EN 61000-6-4:2007
C-Tick	EN 61000-6-2:2005, EN 61000-6-4:2007 Yes
KC approval	Yes
• IEC 61850-3	Yes
standards, specifications, approvals / marine classificatio	
Marine classification association	Vez
American Bureau of Shipping Europe Ltd. (ABS) Franch matrice classification excitate (D)()	Yes
 French marine classification society (BV) Dot Norsko Voritas (DNV) 	Yes No
Det Norske Veritas (DNV) Cormonische Lloyd (CL)	No
Germanische Lloyd (GL) DNV GL	Yes
 Lloyds Register of Shipping (LRS) 	Yes
Nippon Kaiji Kyokai (NK)	Yes
 Polski Rejestr Statkow (PRS) 	No
Royal Institution of Naval Architects (RINA)	Yes
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further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
 to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
to website: CAx-Download-Manager	http://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)
last modified:	9/17/2022 🖸