6GK5324-0GG10-1AR2

Data sheet

product type designation

SCALANCE XR324-12M; managed IE switch, 19" rack; 12x 100/1000 Mbit/s 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager, office features (RSTP, VLAN, IGMP,...) C-PLUG in scope of supply; Power supply 24 V DC; Ports in the front.



product type designation	SCALANCE XR324-12M
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
interfaces / for communication / integrated	
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	24
number of 100 Mbit/s SC ports	
• for multimode	24
number of 1000 Mbit/s LC ports	
 for multimode 	24
for single mode (LD)	24
interfaces / other	
number of electrical connections	
 for operator console 	1
 for signaling contact 	1
 for media module 	12
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	
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	44 W
supply voltage / 1 / rated value	19.2 28.8 V
consumed current / 1 / maximum	1.8 A
 type of electrical connection / 1 / for power supply 	4-pole terminal block
 product component / 1 / fusing at power supply input 	Yes

SCALANCE XR324-12M

ambient conditions	
ambient temperature	
during operation	-40 +70 °C
during storage	-40 +85 °C
during storage during transport	-40 +85 °C
• note	Reduced operating temperature through the use of media modules (-40
● note	°C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C). If the device is installed in the vertical position, the maximum operating temperature is reduced to +50 °C.
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
protection class IP	IP20
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	5.5 kg
product feature / conformal coating	No
fastening method	When used in shipbuilding, the device must be secured in the 19" rack 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, engineeri	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	
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
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identification & maintenance function	
 I&M0 - device-specific information 	Yes
 I&M1 – higher level designation/location designation 	Yes
product functions / diagnostics	
product function	
port diagnostics	Yes
statistics Packet Size	Yes
 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 82 DHCP Option 66	Yes
	Yes
DHCP Option 67	Tes
product functions / redundancy	
product function	Yes
Iring redundancy High Speed Redundancy Protected (HRR)	Yes
High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with	
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	Yes
RSTP big network support	Yes
• LACP	Yes
product functions / security	
product function	
ACL - MAC-based	Yes
	Yes
ACL - port/MAC-based IEEE 903 1x (radius)	
IEEE 802.1x (radius) breadcast/multicast/unicast limiter	Yes
broadcast/multicast/unicast limiter broadcast blooking	Yes
broadcast blocking protocol / is supported.	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	25 y
reference code	KF
 according to IEC 81346-2 according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	IV L
certificate of suitability / CE marking	Voc
, ,	Yes
standards, specifications, approvals / hazardous environm	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• from CSA and UL	UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213- M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
certificate of suitability	
CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• C-Tick	Yes
 KC approval 	Yes
 railway application in accordance with EN 50155 	No
standards, specifications, approvals / marine classification	1
Marine classification association	
 French marine classification society (BV) 	Yes
 Korean Register of Shipping (KRS) 	Yes
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: 7/8/2022 🖸