SIEMENS

Data sheet

6GK5324-4GG10-2JR2

SCALANCE XR324-4M EEC; Managed IE switch, 19" rack; 16x 10/100/1000 Mbit/s for RJ45 ports electrical; 4x 100/1000 Mbit/s for 2-port media modules, electrical or optical; LED diagnostics; error signaling Contact; Select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager; Power supply 2x 24 V DC; Ports at the back



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	2
 for redundant voltage supply 	1
Type of electrical connection	
• for operator console	RJ11
• for signaling contact	2 x 2-pole terminal block
• for power supply	2 x 4-pole terminal block
design of the removable storage	
• C-PLUG	Yes
0: -1:1:-	
Signal inputs/outputs Operating voltage / of the signaling contacts	
at DC / Rated value	24 V
	27 V
Operating current / of the signaling contacts • at DC / maximum	0.1 A
● at DC / maximum	U.1 A
Supply voltage, current consumption, power loss	
Type of voltage supply / redundant power supply unit	Yes
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external / minimum	19.2 V
• external / maximum	57.6 V
Supply voltage / 2 / Rated value	
 Type of voltage / 2 / of the supply voltage 	DC
Supply voltage / at DC	24 V
• rated value	19.2 57.6 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	T2H / 250 V
Consumed current / maximum	1.6 A
Power loss [W]	
• at DC / at 24 V	40 W
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	95 %

Protection class IP

operation / maximum

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	6.8 kg
Mounting type	When used in shipbuilding, the device must be secured in the 19" rack at four points
• 19-inch installation	Yes
• 35 mm 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		
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
Identification & maintenance function	
 I&M0 - device-specific information 	Yes
 I&M1 – higher-level designation/location 	Yes
designation	
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 functions / BHCP	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	Yes
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Product functions / redundancy Product function	
Ring redundancy	Yes
High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with	Yes
redundancy manager	
 high speed redundancy protocol (HRP) with 	Yes
standby redundancy	

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
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 FMfor hazardous zone	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA
	07 ATEX 0145X

 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1-03
• for hazardous zone / from CSA and UL	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
• for emitted interference	EN 61000-6-4:2007 (Class A)
• for interference immunity	EN 61000-6-2:2005
MTBF	20 y

Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes
Standard	
• for EMC	IEC 61850, IEEE 1613

Standards, specifications, approvals / other	
Certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• C-Tick	Yes
• IEC 61850-3	Yes
KC approval	Yes

Standards, specifications, approvals / marine classification

Marine classification association	
Bureau Veritas (BV)	Yes
 Korean Register of Shipping (KRS) 	Yes

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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