SIEMENS

Data sheet

6GK5524-8GS00-3AR2

SCALANCE XR524-8C; managed IE Switch; Layer 3 with key plug available; Power supply 230 V AC; 24x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP; contains 8 combo ports; in total 24 ports can be used; error signaling contact; Select/set button; PROFINET IO Device; redundancy functions; Office features (RSTP, VLAN, IGMP, ...); C-plug in scope of delivery



Product type designation	SCALANCE XR524-8C
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 	24; RJ45
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	0
Number of electrical connections	
• for SFP	8
Number of combo ports / with RJ45 interface for	8
optical plug-in transceiver	
Interfaces / for communication / plug-in	
Number of electrical connections	
• for SFP	8
Interfaces / other	
Number of electrical connections	
• for operator console	1

• for signaling contact • for power supply • for redundant voltage supply 1 • for redundant voltage supply 1 • for redundant voltage supply 1 • for oregrator console • for operator console • for operator console • for operator console • for operator console • for signaling contact • for power supply 4 pole terminal block design of the removable storage • C-PLUGKEY-PLUG Product feature / hot-swappable interface modules Ves Signal inputs/outputs Operating voltage / of the signaling contacts • at DC / Rated value Operating current / of the signaling contacts • at DC / maximum 0.1 A Supply voltage, current consumption, power loss Type of voltage, current consumption, power loss Type of voltage, current consumption, power loss Type of voltage supply / redundant power supply unit Type of voltage of the supply voltage • at AC • at AC / rated value 90 284 V Product component / fusing at power supply input Press protection hype / at input for supply voltage • at AC / rated value 90 284 V Consumed current / maximum 0.6 A Ambient conditions Ambient temperature • during operation • during storage • during transport • during storage • during transport • during storage • during transport • at 25 °C (* Without condensation / during operation / maximum Protection class IP IP20 Design, dimensions and weights Design the formula of the protection of the product of the pro	• for management purposes	1	
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Design 19" rack Number of modular height units / relating to 19-inch cabinet Width 449 mm			
Number of modular height units / relating to 19-inch cabinet Width 449 mm			
cabinet Width 449 mm			
	cabinet	1	
Height 44 mm		449 mm	
	Height	44 mm	

Depth	305 mm
Net weight	4.2 kg
Mounting type	
• 19-inch installation	Yes
• 35 mm DIN rail mounting	No
wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
Type of cable outlet	Cable outlet at front

Product features, product functions, product components / general

Cascading in cases of star topology any (depending only on signal propagation time)

Product functions / management, configuration, eng Product function	gineering
• CLI	Yes
	Yes
web-based management	
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
Telegram length / for Ethernet / maximum	9216 byte
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 	Yes		
 VLAN - IP-based 	Yes		
 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 / Routing			
Service / Routing / Note	IP routing in combination with KEY-PLUG XR-500		
Product function			
Static IP routing	Yes		
 Static IP routing IPv6 	Yes		
dynamic IP routing	Yes		
 dynamic IP routing IPv6 	Yes		
Protocol / is supported			
• RIPv2	Yes		
• RIPnG for IPv6	Yes		
• OSPFv2	Yes		
OSPFv3 for IPv6	Yes		
• VRRP	Yes		
• VRRP for IPv6	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
Passive listening	Yes
Protocol / is supported	
• LACP	Yes
Product functions / Security Product function	
	Yes
ACL - MAC-based ACL - port/MAC based	Yes
ACL - port/MAC-based IFFF 800 4v (radius)	Yes
IEEE 802.1x (radius)Broadcast/Multicast/Unicast Limiter	Yes
broadcast blocking	Yes
Protocol / is supported	165
• SSH	Yes
	1.55
Product functions / time	
Product function	Yes
SICLOCK support Protocol / is supported	res
NTP	Yes
• SNTP	Yes
	111
Standards, specifications, approvals	
Standard • for cofety / from CSA and III	available soon
for safety / from CSA and UL for amitted interference.	EN 61000-6-4 (Class A)
• for emitted interference	EN 61000-6-2
• for interference immunity	LIV 0 1000-0-2
Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes
Standards, specifications, approvals / other	

Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
● E1 approval	No
● E1 approval	No
KC approval	Yes

Marine classification	association	

Yes • American Bureau of Shipping Europe Ltd. (ABS)

• Bureau Veritas (BV)

Yes

• DNV GL

Yes

Korean Register of Shipping (KRS)

Yes

• Lloyds Register of Shipping (LRS)

Yes

• Nippon Kaiji Kyokai (NK)

Yes

• Polski Rejestr Statkow (PRS)

Yes

Royal Institution of Naval Architects (RINA)

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

https://support.industry.siemens.com

• to website: CAx Download Manager • to website: Industry Online Support

http://www.siemens.com/cax

Security information

Security information

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