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Data sheet **6GK5532-2SR00-3AR3**

SCALANCE XR524-8WG; managed IE switch, 19" rack; 24x 10/100/1000 Mbps RJ45 port; 8x 1G/10G SFP+ port; LED diagnostics; select/set button; PROFINET IO device, network management, integrated redundancy manager, office features (RSTP, VLAN, IGMP,..) CPL not included in scope of delivery; power supply 1x 230 V AC; layer 3 integrated; layer 3 integrated;

product type designation	
product brand name	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	32
number of 10/100/1000 Mbit/s RJ45 ports	24; RJ45
number of electrical connections	
● for SFP+	8
interfaces / other	
number of electrical connections	
● for operator console	1
● for power supply	1
type of electrical connection	
● for operator console	USB (2.0 Port, Type B, serial via USB)
● for power supply	IEC plug C14 AC supply
design of the removable storage	
● CLP	Yes
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	No
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	100V ... 250V DC
● power loss [W] / 1 / rated value	99 W
● supply voltage / 1 / rated value	77 ... 300 V
● consumed current / 1 / maximum	0.8 A
● type of electrical connection / 1 / for power supply	2-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	F 4A / 250 V
type of voltage / 2 / of the supply voltage	AC (50 / 60Hz)
● supply voltage / 2 / rated value	240 V; 100V ... 240V AC
● power loss [W] / 2 / rated value	99 W
● supply voltage / 2 / rated value	85 ... 264 V
● consumed current / 2 / maximum	0.8 A
● type of electrical connection / 2 / for power supply	C14, IEC plug
● fuse protection type / 2 / at input for supply voltage	F 4A / 250 V
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	0 ... 60 °C

installation altitude / at height above sea level / maximum	3000 m
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	446 mm
height	43.6 mm
depth	374.8 mm
net weight	8.2 kg
material / of the enclosure	metal
fastening method	
● 19-inch installation	Yes

product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
number of automatically learnable MAC addresses	16382
number of QoS queues / per port	8
product function	
● QoS according to IEEE 802.1Q	Yes
product feature	
● Store & Forward switching method	Yes

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
network load class / according to PROFINET	3
telegram length / for Ethernet / maximum	9194 byte
protocol / is supported	
● Telnet	Yes
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● SFTP	Yes
● BOOTP	Yes
● NETCONF	No
● GMRP	Yes
● DCP	Yes
● LLDP	Yes
● EtherNet/IP	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

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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	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
product functions / DHCP	
product function	
● DHCP server	Yes
● DHCP client	Yes
● DHCP Option 82	Yes
● DHCP Option 66	Yes
● DHCP Option 67	Yes
product functions / routing	
service / routing / note	IP routing integrated
product function	
● static IP routing	Yes
● static IP routing IPv6	No
● dynamic IP routing	Yes
● dynamic IP routing IPv6	No
protocol / is supported	
● RIPv2	Yes
● RIPnG for IPv6	No
● OSPFv2	Yes
● OSPFv3 for IPv6	No
● VRRP	Yes
● VRRP for IPv6	No
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● Media Redundancy Protocol Interconnection (MRP-I)	Yes
● of the PROFINET IO device / is supported / PROFINET system redundancy	Yes
● ring redundancy	Yes
● high speed redundancy protocol (HRP) with redundancy manager	Yes
● high speed redundancy protocol (HRP) with standby redundancy	Yes
● redundancy procedure STP	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure RSTP+	Yes
● redundancy procedure MSTP	Yes
● passive listening	Yes
protocol / is supported	
● LACP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
product functions / security	
product function	

● IEEE 802.1x (radius)	Yes
● broadcast/multicast/unicast limiter	Yes
● broadcast blocking	Yes
protocol / is supported	
● SSH	Yes
● SSL	Yes

product functions / time	
product function	
● SICLOCK support	Yes
● NTP-client	Yes
● SNTP client	Yes
● IEEE 1588 v2 transparent forwarding	Yes
protocol / is supported	
● NTP	Yes
● SNTP	Yes
accuracy / at IEEE 1588 v2	
● not less than	100 µs
● typical	50 ns

standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
● for EMC interference emission	EN 61000-6-4, EN 50121-9
● for immunity to EMC	EN 61000-6-2, EN 50121-4
● for safety / from CSA and UL	in preparation

standards, specifications, approvals / other	
certificate of suitability	
● railway application in accordance with EN 50121-4	Yes; use only in areas not accessible to the public
● railway application in accordance with EN 50125-3	Yes
● RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes

product functions / general	
MTBF	8.3 a
reference temperature / for MTBF determination	40 °C
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE
Warranty period	5 a

further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/de/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://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 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

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Approvals / Certificates

General Product Approval

CE EG-Konf.

UK CA

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