SIEMENS

Data sheet   **6GK5526-8GS00-4AR2**

SCALANCE XR526-8C; managed IE switch; layer 3 with Key-Plug available; power supply 2x 230 V AC; 24x 10/100/1000 Mbit/s RJ45; 8x 100/1000 Mbit/s SFP Combo; 2x 10 Gbit/s SFP+; in total 26 ports can be used; error signaling contact; select/set pushbutton; PROFINET IO device; redundancy functions; Office features (RSTP, VLAN, IGMP, ...); C-PLUG in scope of supply.

product type designation	
product brand name	SCALANCE
product type designation	XR526-8C
Technical Product Detail Page	https://i.siemens.com/1P6GK5526-8GS00-4AR2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	10 Gbit/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 100 Mbit/s SC ports	
● for multimode	0
number of electrical connections	
● for SFP	8
● for SFP+	2
number of combo ports / with RJ45 interface for optical plug-in transceiver	8
interfaces / for communication / plug-in	
number of electrical connections	
● for SFP	10
● for SFP+	2
interfaces / other	
number of electrical connections	
● for operator console	1
● for signaling contact	1
● for power supply	1
type of electrical connection	
● for operator console	RJ11
● for management purposes	RJ45
● for signaling contact	2-pole terminal block
● for power supply	4-pole terminal block
product feature / hot-swappable interface modules	Yes
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	Yes
type of voltage / 1 / of the supply voltage	AC
● supply voltage / 1 / rated value	230 V
● power loss [W] / 1 / rated value	36 W
● supply voltage / 1 / voltage range	90 ... 264
● consumed current / 1 / maximum	0.8 A
● type of electrical connection / 1 / for power supply	4-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	3,15 A / 250 V

ambient conditions

ambient temperature	
● during operation	0 ... 50 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights

design	19-inch rack
number of modular height units / relating to 19-inch cabinet	1
width	449 mm
height	44 mm
depth	305 mm
net weight	4.7 kg
fastening method	
● 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, 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
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 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	Yes
● VLAN - IP-based	Yes
● VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255

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

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
● 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

product function	
● 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

standards, specifications, approvals

certificate of suitability	
● CE marking	Yes
● UKCA marking	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● for EMC interference emission	EN 61000-6-4 (Class A)
● for immunity to EMC	EN 61000-6-2
● for safety / from CSA and UL	UL 60950-1; CSA C22.2 No. 213-M1987

standards, specifications, approvals / other

certificate of suitability	
● RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	564.78 kg
● during manufacturing	207 kg
● during operation	356.85 kg
● after end of life	0.93 kg

product functions / general

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/en/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 network segmentation) are in place. For additional information on industrial

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Approvals / Certificates

General Product Approval

		Declaration of Conformity			China RoHS

General Product Approval	EMV	Test Certificates	Maritime application		
RCM	KC	Type Test Certificates/Test Report	ABS	BUREAU VERITAS	DNV

Maritime application				Environment	Industrial Communication
LRS	NK / Nippon Kaiji Kyokai	PRS	RINA	EPD	PROFINET

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