SIEMENS

Data sheet   **6GK5615-0AA00-2AA2**

product type designation	S615
	SCALANCE S615 LAN router; for protection of devices/networks in automation technology and for protection of industrial communication by means of VPN and firewall; Further functions: address conversion (NAT/NAPT), connection to SINEMA RC, 5-port switch, 1x dig. input, 1x digital output.

transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s

interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	5
number of electrical connections	
● for power supply	1
● for redundant voltage supply	1
type of electrical connection	
● for power supply	5-pole terminal block
design of the removable storage / C-PLUG	Yes

signal inputs/outputs	
number of electrical connections	
● for digital input signals	1
● for digital output signals	1
type of electrical connection	
● for digital input signals	2-pole terminal block
● for digital output signals	2-pole terminal block

supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	4 W
supply voltage / 1 / rated value	10.8 ... 28.8 V
consumed current	
● at DC / at 24 V / typical	0.2 A
product component / 1 / fusing at power supply input	Yes
fuse protection type / 1 / at input for supply voltage	Non-replaceable melting fuse (F 2 A5 / 32 V)

ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20

design, dimensions and weights	
design	compact
width	35 mm
height	147 mm

depth	127 mm
net weight	0.4 kg
fastening method	
● 35 mm DIN-rail mounting	Yes
● S7-300 rail mounting	Yes
● S7-1500 rail mounting	Yes

product functions / management, configuration, engineering

product function	
● CLI	Yes
● web-based management	Yes
● MIB support	Yes
protocol / is supported	
● HTTP	Yes
● SNMP v1	Yes
● SNMP v2	Yes
● SNMP v3	Yes
type of configuration	Web Based Management, CLI, SNMP, SCT (Configuration support for certificate generation)

product functions / diagnostics

product function	
● SysLog	Yes
● packet filter log	Yes
● audit log	Yes
● system log	Yes

product functions / DHCP

product function	
● DHCP client	Yes
● DHCP server - internal network	Yes

product functions / routing

product function / static IP routing	Yes

product functions / security

firewall version	stateful inspection
product function / with VPN connection	IPsec, OpenVPN (as client for SINEMA RC)
type of encryption algorithms / with VPN connection	AES-256, AES-192, AES-128, 3DES-168, DES-56
type of authentication procedure / with VPN connection	Preshared key (PSK), X.509v3 certificates
type of hashing algorithms / with VPN connection	MD5, SHA-1, SHA-256, SHA-384, SHA-512
number of possible connections / with VPN connection	20
product function	
● password protection	Yes
● bandwidth limitation	No
● NAT/NAPT	Yes

product functions / time

protocol / is supported	
● NTP	Yes
product component / hardware real time clock	Yes
product feature / hardware real time clock w. battery backup	No

standards, specifications, approvals

standard	
● for FM	FM16US0205X
● for safety / from CSA and UL	UL 60950 E115352
● for emitted interference	EN 61000-6-4
● for interference immunity	EN 61000-6-2
certificate of suitability	ATEX, EMC, RoHS
● CE marking	Yes
reference code	
● according to IEC 81346-2:2019	KED
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

standards, specifications, approvals / marine classification

Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes

● French marine classification society (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

standards, specifications, approvals / hazardous environments

standard / for hazardous zone	EN 60079-15, EN 60079-0, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
certificate of suitability / CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	141.25 kg
● during manufacturing	15.64 kg
● during operation	125.19 kg
● after end of life	0.42 kg

accessories

product extension / optional	
● C-PLUG	Yes
● KEY-PLUG	Yes
accessories	optional KEY-PLUG

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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

CE EG-Konf.	Declaration of Conformity	CCC	EAC	UKCA	UL

General Product Approval	For use in hazardous locations	Marine / Shipping

RCM

ATEX

IECEx

[CCC-Ex](...)

ABS

BUREAU VERITAS

Marine / Shipping					Railway
DNV	LRS	[NK / Nippon Kaiji Kyokai](...)	PRS	RINA	[Confirmation](...)

Environment		Industrial Communication
[Confirmation](...)	EPD	[PROFINET](...)

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