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.

product brand name	SCALANCE
Technical Product Detail Page	https://i.siemens.com/1P6GK5615-0AA00-2AA2
transfer rate	
transfer rate	10, 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
● 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)
consumed current / at DC / at 24 V / typical	0.2 A
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

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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
protocol / is supported / VRRP for IPv6	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 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
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

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● French marine classification society (BV)	Yes
● DNV GL	Yes
● Lloyds Register of Shipping (LRS)	Yes
● Nippon Kaiji Kyokai (NK)	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	141.056 kg
● during manufacturing	15.6 kg
● during operation	125 kg
● after end of life	0.42 kg
accessories	
product extension / optional	
● C-PLUG	No
● 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	EAC	China RoHS	Manufacturer Declaration

General Product Approval	**For use in hazardous locations**

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China RoHS

For use in hazardous locations		Maritime application			
FM	CCC-Ex				

Maritime application			Railway	Environment	Industrial Communication
NK / Nippon Kaiji Kyokai			Confirmation		PROFINET

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