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

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

Supply voltage / external	24 V
Supply voltage / external	10.8 ... 28.8 V
Type of voltage / of the supply voltage	DC
Consumed current / maximum	0.2 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	Non-replaceable melting fuse (F 2 A5 / 32 V)
Power loss [W]	
● at DC / at 24 V / typical	4 W

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
Mounting type	
● 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 limiting	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	FM-CoC 3021712
• for hazardous zone	EN 60079-15, EN 60079-0, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
• for safety / from CSA and UL	UL E115352 (NWGQ, NGWQ7)
• for emitted interference	EN 61000-6-4
• for interference immunity	EN 61000-6-2
Certificate of suitability	ATEX, EMC, RoHS
Certificate of suitability	
• CE marking	Yes
Marine classification association	

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

accessories

Product extension / optional / C-PLUG	Yes
Product extension / optional / KEY-PLUG	Yes
accessories	optional KEY-PLUG

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
• to website: CAx Download Manager	http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)
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