

Product type designation

SCALANCE S615

SCALANCE S615 LAN-ROUTER; F. PROTECTION OF DEVICES/ NETWORKS IN AUTOMATION AND PROTECTION OF INDUSTRIAL COMMUNICATION VIA VPN AND FIREWALL; FURTHER FUNCTIONS: ADDRESS CONVERSION (NAT/NAPT), CONNECTION TO SINEMA RC, 5-PORT SWITCH, 1XDIG. INPUT, 1XDIG. OUTPUT



Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
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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
• for digital input signals	1
• for digital output signals	1
Type of electrical connection	
• for internal network	RJ45 port
• for external network	RJ45 port
• for power supply	5-pole terminal block
• for digital input signals	2-pole terminal block
• for digital output signals	2-pole terminal block
design of the removable storage / C-PLUG	Yes

Supply voltage, current consumption, power loss	
Supply voltage / external	24 V
Supply voltage / external	10.8 ... 28.2 V
Type of voltage / of the supply voltage	DC
Consumed current / maximum	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]	
<ul style="list-style-type: none"> at DC / at 24 V / typical 	4 W

Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +70 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> during transport 	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight	
Design	compact
Width	35 mm
Height	147 mm
Depth	127 mm
Net weight	0.4 kg
Mounting type	
<ul style="list-style-type: none"> 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> S7-1500 rail mounting 	Yes

Product functions / management, configuration	
Product function	
<ul style="list-style-type: none"> CLI 	Yes
<ul style="list-style-type: none"> web-based management 	Yes
<ul style="list-style-type: none"> MIB support 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> HTTP 	Yes
<ul style="list-style-type: none"> SNMP v1 	Yes
<ul style="list-style-type: none"> SNMP v2 	Yes
<ul style="list-style-type: none"> SNMP v3 	Yes
Type of configuration	Web Based Management, CLI, SNMP, SCT (Configuration support for certificate generation)

Product functions / Diagnosis	
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
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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
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	In preparation
• for hazardous zone	In preparation
• for safety / from CSA and UL	In preparation
• for emitted interference	In preparation
• for interference immunity	In preparation
Certificate of suitability	In preparation
Certificate of suitability	
• CE marking	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No

- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

No
No
No
No
No
No
No

Accessories

Product expansion / optional / C-PLUG

Yes

accessories

optional KEY-PLUG

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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