

### 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
Type of electrical connection	
• for internal network	RJ45 port
• for external network	RJ45 port
• 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	
<ul style="list-style-type: none"> <li>• for digital input signals</li> <li>• for digital output signals</li> </ul>	2-pole terminal block 2-pole terminal block

### 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	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]	
<ul style="list-style-type: none"> <li>• at DC / at 24 V / typical</li> </ul>	4 W

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-40 ... +70 °C -40 ... +80 °C -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"> <li>• 35 mm DIN rail mounting</li> <li>• S7-300 rail mounting</li> <li>• S7-1500 rail mounting</li> </ul>	Yes Yes Yes

### Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> <li>• CLI</li> <li>• web-based management</li> <li>• MIB support</li> </ul>	Yes Yes Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>• HTTP</li> <li>• SNMP v1</li> <li>• SNMP v2</li> <li>• SNMP v3</li> </ul>	Yes Yes Yes Yes

Type of configuration	Web Based Management, CLI, SNMP, SCT (Configuration support for certificate generation)
<b>Product functions / Diagnosis</b>	
Product function	
• SysLog	Yes
• Packet Filter Log	Yes
• Audit Log	Yes
• System log	Yes
<b>Product functions / DHCP</b>	
Product function	
• DHCP client	Yes
• DHCP server - internal network	Yes
<b>Product functions / Routing</b>	
Product function / Static IP routing	Yes
<b>Product functions / Security</b>	
Firewall version	stateful inspection
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
<b>Product functions / Time</b>	
Protocol / is supported / NTP	Yes
Product component / Hardware real-time clock	Yes
Product feature / Hardware real-time clock w. battery backup	No
<b>Standards, specifications, approvals</b>	
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, EMV, RoHS, Marine classification in preparation
Certificate of suitability	

• CE marking	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	No
• DNV GL	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes
MTBF / at 40 °C	55 y

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	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4)

last modified: 07/28/2017