

**Product-type designation**

**SCALANCE S612**



SCALANCE S 612 MODULE FOR PROTECTION OF UNITS AND NETWORKS IN AUTOMATION TECHNOLOGY AND FOR PROTECTION OF INDUSTRIAL COMMUNICATION VIA VPN AND FIREWALL ADDITIONAL FUNCTIONS: ADDRESS CONVERSION (NAT/NAPT), DHCP-SERVER, SYSLOG, SYMBOL. NAME FOR IP-ADDRESSES,

**Transmission rate**

Transfer rate / 1	10 Mbit/s
Transfer rate / 2	100 Mbit/s
Transfer rate / 3	1000 Mbit/s

**Interfaces**

Number of electrical/optical connections / for network components or terminal equipment / maximum	2
Number of electrical connections	
• for internal network	1
• for external network	1
• for DMZ	0
• for signaling contact	1
• for power supply	1
• for redundant power supply	1
Design of the electrical connection	
• for internal network	RJ45 port
• for external network	RJ45 port
• for DMZ	-
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block

design of the removable storage / C-PLUG	Yes
<b>Signal-Inputs/outputs</b>	
Operating voltage / of signaling contacts / at DC / rated value	24 V
Operating current / of signaling contacts / at DC / maximum	0.1 A
<b>Supply voltage, current consumption, power loss</b>	
Type of / supply voltage	DC
Supply voltage / external	24 V
• minimum	19.2 V
• maximum	28.8 V
Consumed current / maximum	0.5 A
Product component / fusing at power supply input	Yes
Type of fusing / at input for supply voltage	Non-replaceable melting fuse (F 3 A / 32 V)
Active power loss	
• at 24V / for DC / typical	6.72 W
<b>Permitted ambient conditions</b>	
Ambient temperature	
• during operating	-40 ... +60 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
<b>Design, dimensions and weight</b>	
Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.8 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• wall mounting	Yes
Mounting type	Screw mounting on horizontal and vertical surfaces
Product function / DynDNS client	Yes
Protocol / is supported / PPPoE	Yes
Product function / symbolic names for IP addresses	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v3	Yes
Type of configuration	SCT: Security Configuration Tool (included in scope of delivery)

Product functions / Diagnosis	
Product function	
• SysLog	Yes
• Packet Filter Log	Yes
• Audit Log	Yes
• System Log	Yes
Product functions / DHCP	
Product function / DHCP server - internal network	Yes
Product functions / Routing	
Product function / static IP routing	Yes
Product functions / Security	
Design of the firewall	stateful inspection
Product function / with VPN connection	IPSec
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	128
Number of network stations / for internal network / with VPN connection	
• maximum	128
• note	Limitation only applies in bridge mode. No limitation in routing mode
Product function	
• Password protection	Yes
• bandwidth limiting	Yes
• NAT/NAPT	Yes
Product functions / Time	
Product function / pass on time synchronization	Yes
Protocol / is supported / NTP	Yes
Product component / Hardware real-time clock	Yes
Product property / battery-backed hardware real-time clock	Yes
Standards, specifications, approvals	
Standard	
• for EMC / from FM	FM 3611
• for hazardous zone	EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA IIT..., KEMA 07 ATEX 0145 X
• for safety / of CSA and UL	UL 60950 / CSA C22.2 No. 60950-00, UL 508 / CSA C22.2 No. 142
• for emitted interference	EN 61000-6-4 : 2007
• for interference immunity	EN 61000-6-2 : 2005
Verification of suitability	AS/NZS 2064 (Class A), EN 61000-6-2, EN 61000-6-4, marine classification pending

• CE mark	Yes
• C-Tick	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	No

## Accessories

Product expansion / optional / C-PLUG	Yes
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## Further Information / Internet Links

Internet-Link	
• to website: Industry Mall	<a href="https://www.siemens.com/industrymall">https://www.siemens.com/industrymall</a>
• 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: Information and Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</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="http://support.automation.siemens.com">http://support.automation.siemens.com</a>

## Security information

Security information	<p>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.</p> <p>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>.</p> <p>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)</p>
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**letzte Änderung:**

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