SIEMENS

Product type designation

SCALANCE S627-2M

SCALANCE S627-2M module for protection of devices and networks in automation engineering and for protection of industrial communication by means of VPN and firewall; additional DMZ port for connection of a further network; 24 V power supply; Further functions: coupling of redundant rings, firewall redundancy

Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s

Interfaces	
Number of electrical/optical connections / for network components or terminal equipment / maximum	7
Number of electrical connections	
• for internal network	3
• for external network	3
• for DMZ	1
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for internal network	RJ45 port + media module
• for external network	RJ45 port + media module
• for DMZ	RJ45 port
• for signaling contact	2-pole terminal block

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• for power supply	4-pole terminal block
design of the removable storage / C-PLUG	Yes

Signal-Inputs/outputs

Operating voltage / of the signaling contacts / at DC / Rated value	24 V
Operating current / of the signaling contacts / at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Supply voltage / external	24 V
Supply voltage / external	19.2 ... 28.8 V
Type of voltage / of the supply voltage	DC
Consumed current / maximum	0.7 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	Non-replaceable melting fuse (F 3 A / 32 V)
Power loss [W]	
• at DC / at 24 V / typical	12 W
• Note	(without media modules)

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• Note	When using media modules please observe the mounting manual!
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Design	compact
Width	120 mm
Height	125 mm
Depth	124 mm
Net weight	1.3 kg
Mounting type	Screw mounting on horizontal and vertical surfaces
Mounting type	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	Yes
• wall mounting	Yes

Product properties, functions, components / general

Product function / DynDNS-Client	Yes
Protocol / is supported / PPPoE	Yes

Product functions / management, configuration

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

Firewall version	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 / with VPN connection	128
Number of network nodes / 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 / Redundancy

Product function	
• Ring redundancy	Yes
• Redundancy manager	No
• Standby redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes

Protocol / is supported / Media Redundancy Protocol (MRP)	Yes

Product functions / Time

Product function / pass on time synchronization	Yes
Protocol / is supported / NTP	Yes
Product component / Hardware real-time clock	Yes
Product feature / Hardware real-time clock w. battery backup	Yes

Standards, specifications, approvals

Standard	
• for 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 / from 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
Certificate of suitability	AS/NZS 2064 (Class A), EN 61000-6-2, EN 61000-6-4, marine classification pending
Certificate of suitability	
• CE marking	Yes
• C-Tick	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (BV)	Yes
• 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 extension / optional / C-PLUG	Yes

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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