SIEMENS

Data sheet

6GK5636-2GS00-2AC2

product type designation



SC636-2C

SCALANCE SC636-2C Industrial Security Appliance; For protection of devices and networks in discrete manufacturing and the process industry for protection of the industrial communication with firewall; Further functions: address conversion (NAT/NAPT); Connection to SINEMA RC; 4x ports electrical 10/100/1000 Mbit/s RJ45 and 2x combo port electrical or optical; 10/100/1000 Mbit/s RJ45 or 100 Mbit/s SFP or 1000 Mbit/s SFP.

| transfer 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 | 6 |
| number of electrical connections | |
| for signaling contact | 1 |
| for power supply | 1 |
| for redundant voltage supply | 1 |
| type of electrical connection | |
| for signaling contact | 2-pole terminal block |
| for power supply | 4-pole terminal block |
| design of the removable storage / C-PLUG | Yes |
| signal inputs/outputs | |
| number of electrical connections | |
| for digital input signals | 1 |
| type of electrical connection | |
| for digital input signals | 2-pole terminal block |
| for digital output signals | 2-pole terminal block |
| operating voltage / of the signaling contacts / at DC / rated value | 24 V |
| operational current / of the signaling contacts / at DC / maximum | 0.1 A |
| supply voltage, current consumption, power loss | |
| type of voltage / 1 / of the supply voltage | DC |
| supply voltage / 1 / rated value | 24 V; (with plugged-in SFPs) |
| power loss [W] / 1 / rated value | 9.6 W |
| supply voltage / 1 / rated value | 9.6 31.2 V |
| consumed current | |
| • 1 / maximum | 0.4 A |
| ambient conditions | |
| ambient temperature | |
| during operation | -40 +70 °C |
| during storage | -40 +85 °C |
| during transport | -40 +85 °C |
| relative humidity / at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |
| design | compact |
| width | 60 mm |

| | height | 145 mm |
|---|--|--|
| Include | | |
| fastering method Fixing bolt with additional sorew protection 4 35 mm too hat DIN rail mounting Yes 4 37-300 rail mounting Yes • Wall mounting Yes • CLI Yes • CLI Yes • CLI Yes • CLI Yes • Mill support Yes • Mill support Yes • Tablet No • HITTP No • HITTP Yes • TEFP Yes • STFP Yes • LLDP Yes • SIMP Y2 Yes • Packet function Yes • Packet function Yes | | |
| fisatering method | | |
| a. S. 37.30 rail mounting Yes b. S.7.1500 rail mounting Yes b. Wall mounting Yes product function in product functions, product components / generally Product function product function Yes c. C.L.I. Web-based management. b. Mill support Yes b. Mill support Yes b. HITP No b. HITP No b. HITP Yes b. FIP Yes b. FIP Yes b. FIP Yes b. SNMP yes Yes b. Gos Yes b. Gos onliguration Yes b. December of yes Yes b. SNMP yes Yes b. Gos onliguration Yes | | Fixing bolt with additional sciew protection |
| | - | Voc |
| | - | |
| | - | |
| product function / DynDNS client Yes | | |
| product function / DynONS client Yes | | |
| | | |
| Product function Cult Yes | · · · · · · · · · · · · · · · · · · · | 103 |
| • CLI • veb-based management • Milb support • Milb support • Milb support • Milb support • Telest • Milb support • Telest • Tel | | |
| • web-based management Yes Mill Support Yes protocol / is supported *** • Telnet No • HTTP No • HTTP No • HTTP Yes • FTP Yes • SFTP Yes • DCQ Yes • LLDP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • SNMP v3 Yes • PROFUNCT on Continual | | Yes |
| • MIB support • Telnet • Telnet • Telnet • Telnet • HTTP • HTTPS • FIFP • FIFP • FIFP • SSTP • DCP • LLDP • SNMP v1 • SNMP v2 • SNMP v3 • | | |
| Protect | - | |
| Felnet HOTTP No | | |
| • HTTP No • HTTPS Yes • TFTP Yes • FTP Yes • SFTP Yes • DCP Yes • LLDP Yes • SNMP v1 Yes • SNMP v3 Yes product function Yes • RNON Yes • port mirroring Yes • MURD mirroring Yes • COS Yes • Locol configuration WBM, CLI, SNMP • PROFINET conformity class A • PROFINET conformity class A • SysLog Yes • salvation function Yes • system log Yes • system log Yes • system log Yes • system log Yes • statistics packet type Yes • othCP Option 66 Yes • DHCP Opt | | No |
| HTTPS | | |
| • FFTP | | |
| • FTP • SFTP • SFTP • DCP • LLDP • SMMP V1 • SMMP V2 • SMMP V3 • SMMP V3 • product function • RMCN • port mirroring • COS • LUSP • Mall port mirroring • COS • Yes • System tog • audit log • packet filler log • audit log • port diagnostics • system log • port diagnostics • System log • port diagnostics • System log • port diagnostics • Pres • statistics packet type • altistics packet type • error statistics • Product function (DHCP) product function (PHCP) product function (PTCP) p | | |
| • SFTP | | |
| • DCP • LLDP • LLDP • SMMP v1 • SMMP v2 • SMMP v3 • SMMP v3 • RMON • RMON • port mirroring • CoS • Yes • Uper Configuration • RNET Conformity class • CoS • Yes • Yes • SysLog • product functions • SysLog • packet filter log • packet filter log • system log • port callingonatics • resistance share s | | |
| ■ LLDP ■ SNMP v1 ■ SNMP v2 ■ SNMP v2 ■ SNMP v3 ■ Yes ■ Was ■ PODUCT function ■ PROFINET conformity class ■ A ■ PROFINET conformity class ■ Yes ■ Jeacket filter log ■ Syst.og ■ packet filter log ■ audit log ■ audit log ■ yes ■ audit log ■ yes ■ system log ■ yes ■ system log ■ port diagnostics ■ Yes ■ statistics Packet Size ■ statistics Packet Size ■ statistics Packet Size ■ statistics Packet Size ■ error statistics ■ Yes ■ error statistics ■ Yes ■ PROFINET Conformity Class ■ PROFINET Conformity Class ■ System log ■ port diagnostics ■ statistics Packet Size ■ bystem log ■ port diagnostics ■ statistics Packet Size ■ Yes ■ statistics Packet Size ■ Yes ■ PROFINET Conformity ■ PROFINET CONFORMITY ■ Yes ■ Yes ■ Yes ■ Yes ■ Yes ■ Y | | |
| • SNMP v1 • SNMP v2 • SNMP v3 • SNMP v4 • SNMP v6 • SNMP v7 • SNMP v6 • SNM | | |
| • SNMP v2 Yes • SNMP v3 Yes product function *** • RMON Yes • port mirroring Yes • multiport mirroring Yes • CoS Yes type of configuration WBM, CLI, SNMP PROFINET conformity class A product functions / diagnostics *** product function *** • SysLog Yes • packet filter log Yes • packet filter log Yes • port diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • add to g Yes • statistics packet type Yes • broduct functions / DHCP Yes • DHCP client Yes • DHCP server - internal network Yes • DHCP Option 66 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes < | | |
| SNMP v3 | | |
| Product function RMON port mirroring multiport mirroring Pes COS Yes Yes Yes Yes Yes Yes Yes Ye | | |
| RMON Pot mirroring multiport mirroring PCOS Yes type of configuration PROFINET conformity class product functions / diagnostics Product function SysLog packet filter log packet filter log system log system log pot diagnostics Pes statistics Packet Size statistics packet type error statistics Product functions / DHCP product functions DHCP client DHCP client DHCP poption 66 DHCP Option 67 Product functions / Statistic IP routing product functions / Statistic IP routing IPv6 product function / Static IP routing IPv6 Yes Product function / static IP routing IPv6 Product function / with VPN connection OpenVPN (as client for SINEMA RC) | | |
| • multiport mirroring • CoS type of configuration PROFINET conformity class product functions / diagnostics product function • Syst.og • packet filter log • audit log • system log • port diagnostics product sunction • Syst.os • product sunction • Syst.os • product functions / diagnostics • system log • port diagnostics • port diagnostics • port diagnostics • port diagnostics • statistics Packet Size • statistics packet type • error statistics • res • product functions / DHCP product function • DHCP client • DHCP server - internal network • DHCP Option 66 • DHCP Option 66 • DHCP Option 67 • product function / static IP routing product function / static IP routing product function / static IP routing Yes protocol / is supported / ORPP / Yes product function / static IP routing Pv6 yes product function / static IP routing IPv6 yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | | Yes |
| multiport mirroring CoS Yes Yes type of configuration WBM, CLI, SNMP PROFINET conformity class A a product functions / diagnostics product function SysLog packet filter log packet filter log a udit log yes a patit statistics Packet Size statistics Packet Type e statistics packet type e rorr statistics yes e product functions / DHCP product function DHCP client DHCP Server - internal network DHCP Option 66 Yes DHCP Option 67 Yes product function / static IP routing Yes product function / static IP routing IPv6 product function / static IP routing IPv6 yes product function / Security firewall version stateful inspection OpenVPN (as client for SINEMA RC) | • port mirroring | Yes |
| type of configuration WBM, CLI, SNMP PROFINET conformity class A product functions / diagnostics product function • SysLog Yes • packet filter log Yes • audit log Yes • port diagnostics Yes • port diagnostics Yes • statistics Packet Size Yes • statistics packet type Yes • error statistics yes Yes • product functions / DHCP product functions / DHCP product function (Static IP could be Yes • DHCP Option 66 Yes • DHCP Option 67 Yes • DHCP Option 67 Yes product function / static IP routing Yes product function / static IP routing IPv6 product function / supported / VRRP Yes product function / supported / OSPFv2 Yes product functions / security firewall version SINEMA RC) | | Yes |
| PROFINET conformity class product functions / diagnostics product function • SysLog • packet filter log • audit log • system log • port diagnostics • port diagnostics • statistics Packet Size • statistics Packet Size • statistics packet type • error statistics • res • ror statistics product functions / DHCP product function • DHCP client • DHCP Server - internal network • DHCP Option 66 • DHCP Option 67 • DHCP Option 67 yes product function / static IP routing product function / static IP routing IPv6 product function / static IP routing IPv6 product function / static IP routing IPv6 product function / security firewall version product function / security firewall version Stateful inspection OpenVPN (as client for SINEMA RC) | • CoS | Yes |
| PROFINET conformity class product functions / diagnostics product function SysLog packet filter log packet filter log packet filter log product function system log prot diagnostics prot diagnostics prot diagnostics packet Size statistics Packet Size statistics packet type product functions / DHCP product functions / DHCP product function DHCP client DHCP Option 66 DHCP Option 67 Product function / static IP routing product function / static IP routing product function / static IP routing IPv6 product functions / security firewall version stateful inspection OpenVPN (as client for SINEMA RC) | type of configuration | WBM, CLI, SNMP |
| product function SysLog packet filter log packet filter log packet filter log sudit log system log port diagnostics port diagnostics statistics Packet Size statistics Packet Size statistics packet type removed functions / DHCP product function DHCP client DHCP server - internal network DHCP option 66 Yes DHCP Option 67 Yes DHCP Option 67 Yes Product functions / routing product function / static IP routing Product function / static IP routing IPv6 Yes product function / static IP routing IPv6 Yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | | A |
| SysLog packet filter log packet filter log audit log yes system log port diagnostics yes statistics Packet Size statistics packet type reformed type reformed type product functions / DHCP product function DHCP client DHCP server - internal network DHCP Option 66 DHCP Option 66 DHCP Option 67 Yes product functions / routing product function / static IP routing product function / static IP routing IPv6 product function / sis supported / VRRP product function / static IP routing IPv6 product function / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | product functions / diagnostics | |
| packet filter log | product function | |
| audit log system log port diagnostics statistics Packet Size statistics packet type statistics packet type error statistics yes Product functions / DHCP product function DHCP client DHCP server - internal network DHCP Option 66 DHCP Option 67 DHCP Option 67 Yes product function / static IP routing product function / static IP routing IPv6 product function / static IP routing IPv6 product functions / security firewall version stateful inspection OpenVPN (as client for SINEMA RC) | SysLog | Yes |
| system log port diagnostics yes statistics Packet Size yes statistics packet type yes error statistics yes Product functions / DHCP product function DHCP client Yes DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 yes Product function / routing product function / static IP routing yes product function / static IP routing IPv6 yes product function / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | packet filter log | Yes |
| port diagnostics statistics Packet Size statistics packet type error statistics yes Product functions / DHCP product function DHCP client Yes DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 Yes Product function / routing product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 product function / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | • audit log | Yes |
| statistics Packet Size statistics packet type error statistics Yes product functions / DHCP product function DHCP client Yes DHCP server - internal network DHCP Option 66 DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP yes product function / static IP routing IPv6 yes product functions / security firewall version product function / with VPN connection Yes stateful inspection OpenVPN (as client for SINEMA RC) | • system log | Yes |
| statistics packet type error statistics Yes product functions / DHCP product function • DHCP client • DHCP server - internal network • DHCP Option 66 • DHCP Option 67 Yes product functions / routing product function / static IP routing yes product function / static IP routing IPv6 yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | port diagnostics | Yes |
| error statistics product functions / DHCP product function | statistics Packet Size | Yes |
| product functions / DHCP product function • DHCP client • DHCP server - internal network • DHCP Option 66 • DHCP Option 67 Product functions / routing product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes stateful inspection OpenVPN (as client for SINEMA RC) | statistics packet type | Yes |
| product function DHCP client DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 Yes Product functions / routing product function / static IP routing protocol / is supported / VRRP Product function / static IP routing IPv6 Product function / static IP routing IPv6 Product function / static IP routing IPv6 Yes Product function / static IP routing IPv6 Yes Product function / Security firewall version Stateful inspection OpenVPN (as client for SINEMA RC) | error statistics | Yes |
| DHCP client DHCP server - internal network DHCP Option 66 Yes DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP Yes protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes Yes Yes Yes Yes Yes Product function / static IP routing IPv6 Yes Yes Product functions / security firewall version OpenVPN (as client for SINEMA RC) | product functions / DHCP | |
| DHCP server - internal network DHCP Option 66 DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP Yes protocol / is supported / OSPFv2 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | product function | |
| DHCP Option 66 DHCP Option 67 Yes product functions / routing product function / static IP routing Yes protocol / is supported / VRRP Yes protocol / is supported / OSPFv2 Yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | DHCP client | Yes |
| DHCP Option 67 Yes product functions / routing product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes Yes Yes Yes Product functions / security firewall version OpenVPN (as client for SINEMA RC) | DHCP server - internal network | Yes |
| product functions / routing product function / static IP routing Yes protocol / is supported / VRRP Yes product function / static IP routing IPv6 Yes protocol / is supported / OSPFv2 Yes product functions / security firewall version stateful inspection product function / with VPN connection OpenVPN (as client for SINEMA RC) | DHCP Option 66 | Yes |
| product function / static IP routing protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 product functions / security firewall version product function / with VPN connection Yes Yes Yes Yes protocol / is supported / OSPFv2 Yes product functions / security firewall version OpenVPN (as client for SINEMA RC) | | Yes |
| protocol / is supported / VRRP product function / static IP routing IPv6 protocol / is supported / OSPFv2 yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | product functions / routing | |
| product function / static IP routing IPv6 protocol / is supported / OSPFv2 Yes product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | product function / static IP routing | Yes |
| protocol / is supported / OSPFv2 Product functions / security firewall version product function / with VPN connection OpenVPN (as client for SINEMA RC) | protocol / is supported / VRRP | Yes |
| firewall version stateful inspection product function / with VPN connection OpenVPN (as client for SINEMA RC) | product function / static IP routing IPv6 | Yes |
| firewall version stateful inspection product function / with VPN connection OpenVPN (as client for SINEMA RC) | protocol / is supported / OSPFv2 | Yes |
| product function / with VPN connection OpenVPN (as client for SINEMA RC) | product functions / security | |
| | firewall version | stateful inspection |
| | product function / with VPN connection | OpenVPN (as client for SINEMA RC) |
| product function | product function | |

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|--|---|
| password protection | Yes |
| bandwidth limitation | No |
| NAT/NAPT | Yes |
| ● IEEE 802.1x (radius) | Yes |
| broadcast/multicast/unicast limiter | Yes |
| broadcast blocking | Yes |
| protocol / is supported / SSH | Yes |
| product functions / redundancy | |
| product function | |
| ring redundancy | Yes |
| standby redundancy | Yes |
| High Speed Redundancy Protocol (HRP) | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| redundancy procedure STP | Yes |
| redundancy procedure RSTP | Yes |
| passive listening | Yes |
| product functions / time | |
| protocol / is supported / NTP | Yes |
| protocol / is supported / SNTP | Yes |
| product feature / hardware real time clock w. battery backup | Yes |
| standards, specifications, approvals | |
| standard | |
| • for FM | FM19US0167X |
| for safety / from CSA and UL | UL 60950 E115352 / CSA C22.2 no. 60950-1-03, CSA C22.2 no. 213-M1987 |
| 10.00.00,7.10.11.00.70.11.002 | (available soon) |
| 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 |
| CE marking | Yes |
| • C-Tick | Yes |
| • CCC | Yes |
| MTBF | 31.64 a |
| | |
| standard | EN/IEC 61709 |
| reference temperature | 40 °C |
| standards, specifications, approvals / marine classification | |
| Marine classification association | |
| American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| French marine classification society (BV) | Yes |
| DNV GL | Yes |
| | Yes |
| Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) | Yes |
| Lloyds Register of Shipping (LRS) Nippon Kajii Kvekai (NK) | |
| Nippon Kaiji Kyokai (NK) Poloki Pologti Statkovi (PRS) | Yes |
| Polski Rejestr Statkow (PRS) Pougl Institution of New I Architects (PINA) | Yes |
| Royal Institution of Naval Architects (RINA) | Yes |
| standards, specifications, approvals / hazardous environments | |
| standard / for hazardous zone | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X |
| certificate of suitability / CCC / for hazardous zone according to GB standard | Yes; GB3836.1, GB3836.8 |
| | Ev nA IIC T4 Co |
| • as marking | Ex nA IIC T4 Gc |
| accessories | |
| product extension / optional / C-PLUG | Yes |
| further information / internet links | |
| internet link | |
| to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| 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-Managerto website: Industry Online Support

http://www.siemens.com/cax https://support.industry.siemens.com

security information

security information

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