



SPC4320 SPC Control Panel, G2 Housing

V3.4



Intrusion control panel, G2 housing, IP interface

- 32 zone intrusion control panel with access functionality
- Fully integrated secure IP based communication
- Up to 5 languages simultaneously
- Small G2 housing with space for 7 Ah battery

Scalable system: The SPC4320 control panel seamlessly integrates intrusion and access functionality in one system. It can be expanded with up to 32 zones, 30 outputs, 4 system keypads and 4 doors according to customer and project needs.

High speed communication: Native IP integration provides secure, high speed connectivity to and from the SPC control panel for concurrent and global end users, installers, and service providers.

Multilingual System: English and 4 other languages can simultaneously run on the system which makes the SPC the perfect choice in an international and multilingual environment. Each end user can operate the system in their native language which makes handling safer and easier.

Small G2 housing: The panel comes in a small, easy to mount and wire, full metal or metal / plastic housing that can cater for a 7 Ah battery and an additional expander.



Other Comprehensive System Features

■ Embedded Web Server

The SPC panel provides an on-board web server and can be accessed from anywhere in the world via a standard web browser without the need for a specific application program. The intuitive interface allows easy configuration and operation with secure HTTPS (SSL encryption). The concept supports dynamic IP panel addresses by means of an SPC portal service.

■ IP based digital Audio/Video Verification

IP cameras and audio devices (audio expanders or keypads with audio) can be easily combined to create verification zones. The captured and digitized pre-, post- and live event audio streams and video images are transmitted over IP to the ARC/CMS to allow short decision and intervention times on alarms with superb true alarm rate.

■ Reliable High-Speed Field Bus

The high-speed Expander Bus (X-BUS with 307 kB/s) is a fast and reliable backbone for all system installations with up to 400 m distance between each bus device.

■ Cause and Effects

The functionality of the SPC system can be extended to fit specific customer or market requirements. Various triggers from the system (e.g. zones, areas, user identifications, schedules) can be logically combined in order to activate specific processes.

■ Seamless Wireless Integration

Wireless detectors and remote controls can transmit their information to the SPC control panel via the installed RF access points (SPC devices with RF receivers). This multi-path reception allows excellent wireless coverage with high reliability throughout the entire building. The wireless zones can be mixed and matched with wired zones for cost effective installation with minimal wiring.

■ Extensive software suite with strong remote capabilities/access

A comprehensive tool suite offers additional benefits to end users, installers and service providers in combination with the SPC panels. The tools address the specific needs which occur when remotely operating, monitoring, installing or maintaining a single-site or multi-site system.

■ Easy user management

Profiles for users and calendars allow quick and simple creation and editing of multiple users with the same intrusion and access rights in the system.

■ Advanced door control

Card readers allow an easy entry or exit with card and/or PIN through entry/exit doors, combined with automatic setting and unsetting of areas depending on the individual user rights. The doors can be enabled with a choice of access functions such as anti-pass back, custodian or escort.

■ Functional Features

INTRUSION

Max. number of hardwired zones	32
Max. number of outputs	30
Programmable areas	4
Max. number of users	100
EOL resistor	4K7 (default), other resistor combinations selectable, Antimask support
Event memory	1'000 intrusion events
Languages	English (fixed) + 4 additional (selectable)

ACCESS

Event memory	1,000 access events
Max. number of doors (entry/entry-exit)	4/2
Max. number of door groups	2
Supported card technologies	EM4102/SiPass, Wiegand (26-bits, 37 bits), HID Corporate 1000, Mifare Classic 1K, Cotag, DESfire (CSN)
Special functions	Pass-back prevention (soft / hard), Custodian, Escort

ADVANCED FUNCTIONS

Calendar based time channels	4 (53-week calendar)
Cause & Effects	8 triggers / 4 mapping gates
Banking functions	supported

ALARM VERIFICATION

Verification zones	4 verification zones with max. 4 IP-cameras and 4 audio devices.
Video	Up to 16 pre-/16 post-event images (by JPEG resolution 320 x 240, max. 1 frame/sec.)
Audio	Up to 60 sec. pre/60 sec. post audio recording

WIRELESS

Max. number of wireless zones ²⁾	32
Max. number of wireless remote controls	32
Max. number of wireless detectors received by any wireless access point (recommended)	20

CONNECTIVITY

Web Server	HTTPS (embedded)
IP	Native integrated
Pluggable Communication Interfaces	PSTN or GSM/GPRS modem (max. 2 optional modems)
Standard Communication Protocol	SIA, Contact ID, SMS messaging
Fast Programmer Support	Yes
Firmware Upgrade	Local/Remote upgrade for Controller, Expanders, Com-Modules
Local and Remote configuration (SPC Pro)	Via RS232, USB, PSTN, GSM, IP over Ethernet
Automated Remote Maintenance (SPC RM)	Via PSTN, GSM, IP over Ethernet
Automated Site Administration (SPC Safe)	Via IP over Ethernet
Multi-Site User Management (SPC Manager)	Via IP over Ethernet
IP Alarm transmission (SPC ComXT)	IP over Ethernet (primary) / GPRS (backup)

FIELD BUS

Bus connections	X-BUS (1 spur)
Number of field devices ¹⁾	11 (4 Keypads, 2 Door-expanders, 5 Input/Output expanders)

1) More I/O expanders can be addressed instead of a keypad or door expander, but number of programmable inputs/outputs cannot exceed specified system limits.

2) A wireless zone takes away a wired zone/optional RF access points required.

■ Functional data

Number of on-board zones	8
EOL resistor	Dual 4K7 (default), other resistor combinations selectable
Relay Outputs	1 (single-pole changeover, 30 V DC / max. 1 A resistive switching current)
Electronic Outputs	5 (each max. 400 mA resistive switching current)
Interfaces	1 X-BUS (1 spur) 2 RS232 1 USB 1 Fast Programmer 1 Ethernet (RJ45)

■ Power data

Mains Voltage	230 V AC, +10 to -15 %, 50 Hz
Operating Current	Max. 160 mA at 12 V DC
Quiescent current	Max. 140 mA at 12 V DC
Output voltage	13-14 VDC in normal conditions (mains powered and fully charged battery)
Auxiliary power (nominal)	Max. 750 mA at 12 V DC
Battery type	YUASA NP7-12FR (12 V 7 Ah), (batteries not supplied with product)

■ Mechanical data

Tamper contact	Front/back tamper switch
Operating temperature	0 to +40 °C
Dimensions	SPC4320.320: 264 x 357 x 81 mm SPC4320.220: 270 x 365 x 91 mm
Colour	RAL 9003 (signal white)
Housing	SPC4320.320: Metal housing (1.2 mm mild steel) SPC4320.220: Metal base (1.2 mm mild steel), Plastic Lid (Polycarbonate)
Wireless module	SPC4320.320: Optional (SPCW110) SPC4320.220: Optional (SPCW112)

■ Details for ordering

Type	Part no	Description	Weight*
SPC4320.320-L1	S54541-C109-B100	Intrusion CP, IP, G2 (metal)	4.500 kg (housing incl. cover)
SPC4320.220-L1	S54541-C114-A100	Intrusion CP, IP, G2 (metal/plastic)	3.700 kg (housing incl. cover)

* Unit unpacked (excl. packing material, accessories and documentation)

Further products and accessories can be found in the Internet: siemens.com/intrusion

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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