



SPC5320 SPC Control Panel, G2 Housing

V3.4



Intrusion control panel, G2 housing, IP interface

- 128 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 SPC5320 control panel seamlessly integrates intrusion and access functionality in one system. It can be expanded with up to 128 zones, 128 outputs, 16 system keypads and 16 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, metal 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.

■ Advanced Security Functions for Banking Applications:

The integrated financial capability enables you to easily configure and operate commonly used procedures for banking applications such as intelligent handling of ATM or vault rooms, separation of people at entry, automatic seismic detector testing or easy to operate wireless personal security devices.

■ 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. The loop topology protects the system against possible communication faults caused by an interrupt or short circuit by isolating the faulty branch in the loop.

■ 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 | 128 |
| Max. number of outputs | 128 |
| Programmable areas | 16 |
| Max. number of users | 500 |
| EOL resistor | 4K7 (default), other resistor combinations selectable, Antimask support |
| Event memory | 10'000 intrusion events |
| Languages | English (fixed) + 4 additional (selectable) |

ACCESS

| | |
|---|--|
| Event memory | 10,000 access events |
| Max. number of doors (entry/entry-exit) | 16/16 |
| Max. number of door groups | 16 |
| 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 | 32 (53-week calendar) |
| Cause & Effects | 256 triggers / 128 mapping gates |
| Banking functions | supported |

ALARM VERIFICATION

| | |
|--------------------|--|
| Verification zones | 8 verification zones with max. 4 IP-cameras and 8 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⁾ | 120 |
| Max. number of wireless remote controls | 50 |
| 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 (2 spurs or 1 loop) |
| Number of field devices ¹⁾ | 48 (16 Keypads, 16 Door-expanders, 16 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 | 2 X-BUS (2 spurs or 1 loop) 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 | 264 x 357 x 81 mm |
| Colour | RAL 9003 (signal white) |
| Housing | Metal housing (1.2 mm mild steel) |

■ Details for ordering

| Type | Part no | Description | Weight* |
|----------------|------------------|----------------------|--------------------------------|
| SPC5320.320-L1 | S54541-C106-B100 | Intrusion CP, IP, G2 | 4.500 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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