

SPC5320

SPC Grade 2 Intrusion System

VANDERBILT



IP Based Intrusion system with embedded web server

Vanderbilt's SPC5320.320 control panel combines in an optimal way intrusion and access functionality in one system and can be expanded according to specific customers and project needs with up to 128 zones (8 on-board), 128 outputs (6 on-board), 16 system keypads, 16 doors, 8 verification zones. The controller provides 2 X-BUS ports (2 stubs or 1 loop), 16 areas, 500 users with different access levels, memory for 10'000 intrusion and 10'000 access events, integrated Web Server, 2 terminals for the pluggable PSTN and GSM/GPRS communication options, on-board Ethernet interface.

The system is expandable with wireless receivers and supports up to 120 wireless detectors (mixed with wired zones).

The panel comes in a tamper protected metal housing with space for an optional 17 Ah battery..

Key Features include:

- On board Ethernet
- Multi Lingual support
- EN50131 compliant
- 50136 communications
- Long Battery capacity
- Front and back tamper
- Definable Schedules
- Cause and effect engine
- Access control functions
- Audio and Video Verification

Key Numbers:

- 500 Users
- 128 Zones
- 128 Outputs
- 16 Keypads
- 16 Doors
- 16 Areas

Applications:

- Domestic
- Super markets
- Commercial

Languages:

- English
- German
- French
- Spanish
- Portuguese
- Swedish
- Norwegian
- Czech
- Danish
- Finnish
- Italian





Features & Benefits

■ Communications

The SPC system provides a powerful portfolio of communication options. The system is capable of offering IP based, 50136 compatible communications. Along with traditional analogue communications.

■ Configuration

The SPC family provides a common interface for configuration across the range. Each system can be configured locally from a keypad or the connecting directly to the on board web server. Remotely the web server provides the ability to support customers and alter functionality.

■ International approvals

Compliance with international standards – such as

- EN, SES
- NF
- INCERT
- IMQ

It is crucial to ensure that security systems are installed professionally and remain reliable.

■ Commercial

The integrated commercial capability enables you to easily configure and operate commonly used procedures for commercial applications such as intelligent handling of common areas, and additional functions for system monitoring.

■ 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.

■ User management

The system provides you with the ability to control user's intrusion and access rights. SPC offers support for a range of access readers. User's rights can be restricted by time, day or area.

Advanced Features

■ User definable functions

The functionality of the SPC system can be extended to fit specific customer or market requirements. Various triggers from the system can be logically combined in order to activate specific processes

■ Remote Access anywhere

Using SPC Connect any IP enabled SPC panel can be remotely accessed. Providing remote access to customers to the web interface and mobile app access.



■ Technical Data

Intrusion

Max. number of hardwired zones	128
Hardwired zones On board	16
Max. number of outputs	128
Programmable areas	16
Max. number of users	500
EOL resistor	4K7/4K7 (default), 25 other resistor combinations selectable, Anti-mask support
Interfaces	2 X-BUS (2 spurs or 1 loop) 2 RS232 1 USB 1 Fast Programmer 1 Ethernet (RJ45)

ACCESS

Event memory	10,000 access events
Max. number of doors (entry/entry-exit)	16/8
Max. number of door groups	16
Supported card technologies	• Mifare Classic 1K • Cotag • DESfire • EM4102 • Wiegand (26-bits, 37 bits) • HID Corporate 1000
Special functions	Pass-back prevention (soft / hard), Custodian, Escort System arming functions

Wireless

Max wireless zones	120
Max Wireless Fob	50
Max. number of wireless detectors received by any wireless access point (recommended)	20
Compatible wireless module	SPCW110

CONNECTIVITY

Web Server	HTTPS (embedded) TLS encrypted
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
Alarm transmission paths	IP over Ethernet, IP over GPRS, PSTN GSM
Alarm transmission protocols IP	FlexC – Multipath communication EDP
Alarm transmission protocols analogue based	SIA, SIA Extended 1, SIA extended 2, Fast format, Contact ID, SMS messaging

Power and Mechanical

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)
Tamper contact	Front tamper switch
Operating temperature	0 to +40 °C
Housing	Metal housing (1.2 mm mild steel)
Dimensions	264 x 357 x 81 mm
Weight (without batteries)	4.500 kg (housing incl. cover)

■ Ordering Data

Type	Art. No.	Description	Weight*
SPC	V54541-C107-B100	SPC5320	6.100 kg)

* Total weight of the product inclusive of the weight of its accessories and packaging.

■ Additional Ordering Data

Type	Art. No.	Description
Keypads		
SPCK520.100-N	V54543-F115-A100	Compact Keypad with graphical display and audio
SPCK521.100-N	V54543-F116-A100	Compact Keypad with graphical display, card reader and audio
SPCK620.100	V54543-F110-A100	LCD keypad with graphical display
SPCK623.100	V54543-F111-A100	LCD keypad with graphical display, card reader and audio
SPCK420.100	V54543-F101-A100	LCD keypad with 2 x 16 characters
SPCK421.100	V54543-F102-A100	LCD keypad with 2 x 16 characters and integrated card reader
Expanders		
SPCE452.100	V54542-F107-A100	Expander with 8 outputs, back tamper
SPCE652.100	V54542-F106-A100	Expander with 8 inputs and 2 outputs, back tamper
SPCW130.100	V54554-F101-B100	SiWay RF-expander
SPCA210.100	V54547-A101-A100	2-door expander
SPCP432.300	V54545-C103-A100	Smart PSU with 2-door expander, G2-housing
SPCP433.300	V54545-C104-A100	Smart PSU with 2-door expander, G3-housing
SPCE110.100	V54542-F104-A100	Keyswitch expander with 2 LEDs and 3-position key switch
SPCE120.100	V54542-F105-A100	Indication expander with 16 LEDs, 4 function keys and integrated card reader
SPCW130.100	V54554-F101-B100	SiWay RF-expander
SPCP332.300	V54545-C102-A100	Smart PSU with 8 inputs and 2 outputs, G2-housing
SPCP333.300	S54545-C101-A100	Smart PSU with 8 inputs and 2 outputs, G3-housing
SPCP355.300	S54545-C105-A100	Smart PSU with 8 inputs and 6 outputs, G5 metal housing
Detectors		
PDM-I12	V54530-F114-A100	MAGIC PIR detector, 12m wide angle
PDM-I12T	V54530-F105-A100	MAGIC PIR detector, 12 m wide angle with Anti-mask
PDM-I18	V54530-F106-A100	MAGIC PIR detector, 18 m wide angle
PDM-I18T	V54530-F107-A100	MAGIC PIR detector, 18 m wide angle with Anti-mask
MK-1400	V54536-F101-A100	Magnetic contact
Accessories		
IPAW8-10	V54538-F107-A100	Wireless personal alarm
IRCW6-11	V54543-F109-A100	SiWay remote control, white replaceable battery
IPAW6-10	V54538-F108-A100	Wireless Personal Alarm Button

Verification

SPCV340.000	V54542-F108-B100	Audio expander with 4 inputs and 1 output
SPCV341.000	V54542-F109-B100	Audio expander with 4 inputs and 1 line output
SPCV310.000	V54542-F120-A100	Audio satellite
SPCV440.000	V54542-F118-A100	Combi audio expander for MAGIC motion detectors with 4 inputs and 1 output
SPCV410.000	V54542-F119-A100	Combi audio satellite for MAGIC motion detectors
CCMS2010-IR	S54561-C112-A100	1/2.7" 2MP Compact IP Camera PoE(LAN)

Access

AR6181-MX	6FL7170-8BK	Multi-technology card reader
PP500-EM	V54501-F1-A1	Heavy-duty card and PIN reader
AR6182-RX	6FL7170-8AE	Multi-technology card and PIN reader

	Part code	12M	18M	Anti-Mask	MW frequency 9.35GHz (D freq.)	MW frequency 10.525GHz (A freq.)	MW frequency 10.587GHz (E freq.)
					Austria, Czech Republic, Estonia, Germany, Liechtenstein, Luxembourg, Slovakia, Switzerland, Turkey	Belgium, Bulgaria, Cyprus, Denmark, Finland, Greece, Iceland, Italy, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Bosnia & Herzegovina, Georgia, Croatia, Macedonia, Montenegro, Russia, Serbia, Ukraine	France, Hungary, Ireland, UK
PDM-IXD12	V54531-F113-A100	X			X		
PDM-IXD12T	V54531-F116-A100	X		X	X		
PDM-IXD18	V54531-F121-A100		X		X		
PDM-IXD18T	V54531-F121-A100		X	X	X		
PDM-IXA12	V54531-F113-A100	X				X	
PDM-IXA12T	V54531-F116-A100	X		X		X	
PDM-IXA18	V54531-F119-A100		X			X	
PDM-IXA18T	V54531-F122-A100		X	X		X	
PDM-IXE12	V54531-F114-A100	X					X
PDM-IXE12T	V54531-F117-A100	X		X			X
PDM-IXE18	V54531-F120-A100		X				X
PDM-IXE18T	V54531-F123-A100		X	X			X

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Learn more at www.vanderbiltindustries.com