



IP Based Intrusion system with embedded web server

Acre`s SPC4330 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 32 zones (8 on-board), 30 outputs (6 on-board), 4 system keypads, 4 doors, 8 verification zones. The controller provides 1 X-BUS port (1 spur), 4 areas, 100 users with different access levels, memory for 1'000 intrusion and 1'000 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 32 wireless detectors (mixed with wired zones).

The panel comes in a tamper protected metal housing with space for an optional 7 Ah battery.

Key Features

- 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

- 100 Users
- 32 Zones
- 30 Outputs
- 4 Keypads
- 4 Doors
- 4 Areas

Applications

- Domestic
- Small commercial

Languages

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



Features & Benefits

• Communications

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

• 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.

• Configuration

The acre intrusion 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.

• Cause and Effects

The functionality of the acre intrusion 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.

• 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.

• User management

The system provides you with the ability to control user's intrusion and access rights. Acre intrusion 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 acre intrusion 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 acre intrusion Connect any IP enabled acre intrusion panel can be remotely accessed. Providing remote access to customers to the web interface and mobile app access.

Technical Data

Access

| | |
|---|---|
| Event memory | 1'000 access events |
| Max. number of door groups | 2 |
| Max. number of doors (entry/entry-exit) | 4/2 |
| Special functions | Pass-back prevention (soft / hard), Custodian, Escort System arming functions |
| Supported card technologies | <ul style="list-style-type: none"> • Mifare Classic 1K • Cotag • DESfire • EM4102 • Wiegand (26-bits, 37 bits) • HID Corporate 1000 |

Intrusion

| | |
|--------------------------------|--|
| EOL resistor | Dual 4k7 (default), other resistor combinations selectable |
| Event memory | 1,000 intrusion events |
| Hardwired zones on board | 8 |
| Interfaces | 1 X-BUS (1 spur), 1 RS232, 1 USB (PC connection), 1 SPC Fast Programmer, 1 Ethernet (RJ45) |
| Max. number of hardwired zones | 32 |
| Max. number of outputs | 30 |
| Max. number of users | 100 |
| Programmable areas | 4 |
| SMS Max, Pace Max | 32, 32 |

Power and mechanical

| | |
|----------------------------|--|
| Auxiliary power (nominal) | Max. 750 mA at 12 V DC |
| Battery type | YUASA NP7-12FR (12 V 7 Ah), (batteries not supplied with product) |
| Dimensions | SPC4320.320: 264 x 357 x 81 mm SPC4320.220: 270 x 365 x 91 mm |
| Housing | SPC4320.320: Metal housing (1.2 mm mild steel) SPC4320.220: Metal base (1.2 mm mild steel), Plastic Lid (Polycarbonate) |
| Mains voltage | 230 VAC, + 10%/ -15%, 50 Hz |
| Operating current | Max. 190 mA at 12 VDC |
| Operating temperature | 0 ~ +40 °C |
| Output voltage | 13-14 VDC in normal conditions (mains powered and fully charged battery) |
| Quiescent current | Max. 170 mA at 12 VDC |
| Tamper contact | Front spring tamper, 2 auxiliary tamper contact inputs |
| Weight (without batteries) | 6.100 kg (housing incl. cover) |

Wireless

| | |
|---|---------|
| Compatible wireless module | SPCW110 |
| Max. number of wireless detectors received by any wireless access point (recommended) | 20 |
| Max wireless fob | 32 |
| Max wireless zones | 32 |

Connectivity

| | |
|---|---|
| Alarm transmission paths | IP over Ethernet, IP over GPRS, PSTN GSM |
| Alarm transmission protocols analogue based | SIA, SIA Extended 1, SIA extended 2, Fast format, Contact ID, SMS messaging |
| Alarm transmission protocols IP | FlexC – Multipath communication EDP |
| Fast Programmer Support | Yes |
| Firmware Upgrade | Local/Remote upgrade for Controller, Expanders, Com-Modules |
| IP | Native integrated |
| Pluggable Communication Interfaces | PSTN or GSM/GPRS modem (max. 2 optional modems) |
| Standard Communication Protocol | SIA, Contact ID, SMS messaging |
| Web Server | HTTPS (embedded) TLS encrypted |

General

| | |
|-------------------------------|---|
| Approval | EN50131-1 / EN50131-3 / EN50131-6, Grade 2, Class II UK: PD6662:2010 BE: INCERT SE: SFF1014, Larmklass 2 |
| Audio | Up to 60 sec. pre / 60 sec. post audio recording |
| Colour | RAL 9003 (signal white) |
| Dimensions (W x H x D) | 264 x 357 x 81 (mm) |
| Door capacity | Max. 4 entry doors or 2 entry/exit doors |
| Firmware | 3.8.5 |
| IP-Communication | Yes |
| Language | Multi-language support (en + 4 imported language files). Available language files: de, en, es, fr, it, nl, sv. |
| Max. number of wireless zones | 32 (take away wired zones) |
| Number of on-board relays | 1 strobe (30 VDC / 1 A resistive switching current) |
| Number of on-board zones | 8 |
| Power output | Max. 750 mA bei 12 VDC |
| Remote controls | Up to 32 |
| Verification | 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.) |
| Weight | 4.500 kg |

Ordering Data

| Type | Art. No. | Description | Weight* |
|------|------------------|----------------|----------|
| SPC | V54541-C109-B100 | SPC4320.320-L1 | 4.500 kg |
| SPC | V54541-C114-A100 | SPC4320.220-L1 | 3.700 kg |

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

Additional Ordering Data

Keypads

| Type | Art. No. | Description |
|---------------|------------------|--|
| 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

| Type | Art. No. | Description |
|-------------|------------------|--|
| 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 |

Accessories

| Type | Art. No. | Description |
|----------|------------------|---|
| 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

| Type | Art. No. | Description |
|-------------|------------------|--|
| 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

| Type | Art. No. | Description |
|-----------|--------------|--------------------------------------|
| 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 |

Detectors

| Type | Art. No. | Description |
|----------|------------------|--|
| 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 |

Compatibility

| | Part code | 12M | 18M | Anti-mask | MW frequency 9.35Ghz (D freq.) Austria, Czech Republic, Estonia, Germany, Liechtenstein, Luxembourg, Slovakia, Switzerland, Turkey | MW frequency 10.525Ghz (A freq.) Belgium, Bulgaria, Cyprus, Denmark, Finland, Greece, Iceland, Italy, Latvia, Lithuania, Malta, Netherland, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Bosnia & Herzegovina, Georgia, Croatia, Macedonia, Montenegro, Russia, Serbia, Ukraine | MW frequency 10.587Ghz (E freq.) 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 |