

Siemens: one brand, one partner – one system – for all your security & fire safety requirements

- Access Control
- CCTV
- Fire Safety
- Intruder Detection

Small sized applications with stand-alone intrusion system connected to a Central Monitoring Station (CMS) – small convenience store or petrol station shop



○ Intrusion products for this example:

IRM120C PIR & microwave detector

ADM-Q12 PIR detector

AGB600 glass break detector

MK240 door contacts

SI120 intrusion panel, up to 3 partitions and 6 verification zones

SPC4000 intrusion panel, up to 4 partitions and 32 supervised alarm zones



Medium sized applications with multi-area intrusion system and connection to own control room – large supermarket with warehouse



○ Intrusion products for this example:

IRM270T PIR & microwave detector with antimask

ADM-QX.12T PIR & microwave detector with antimask

AGB600 glass break detector

IS443/4 active infrared beams

SI220 intrusion panel, up to 6 partitions and 8 verification zones

SPC5000 intrusion panel, up to 16 partitions and 128 supervised alarm zones. Embedded Web server



Large and/or high-risk applications with multi-site intrusion system and central/remote monitoring – commercial bank



○ Intrusion products for this example:

IRO840T optical & PIR detector with range reduction and antimask

UP370T ultrasonic & PIR detector with antimask

GM730 seismic detector for ATMs

FK32 foot rail panic alarm activation

SI410 intrusion panel, up to 16 partitions and 32 verification zones

SPC6000 intrusion panel, up to 32 partitions and 512 supervised alarm zones. Embedded Web server



Answers for infrastructure.

■ Megatrends driving the future

The megatrends – demographic change, urbanization, climate change and globalization – are shaping the world today. These have an unprecedented impact on our lives and on vital sectors of our economy.

■ Innovative technologies to answer the associated toughest questions

Throughout a 160-year history of proven research and engineering talent, with more than 50,000 active patents, Siemens has continuously provided its customers with innovations in the areas of healthcare, energy, industry and infrastructure – globally and locally.

■ Increase productivity and efficiency through complete building life cycle management

Building Technologies offers intelligent integrated solutions for industry, commercial and residential buildings and public infrastructure. Over the entire facility's life cycle, our comprehensive and environmentally conscious portfolio of products, systems, solutions and services in the fields of electrical installation technology, building automation, fire safety and electronic security, ensures the:

- optimum comfort and highest energy efficiency in buildings,
- safety and security for people, processes and assets,
- increased business productivity.



Intrusion

Portfolio overview

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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.

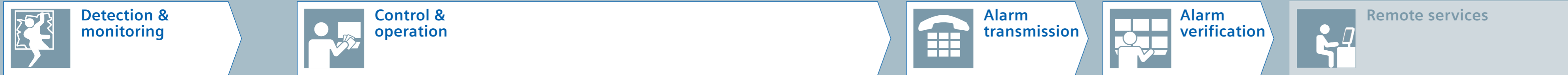
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Answers for infrastructure.

SIEMENS

Intrusion Detection Portfolio Overview



Perimeter & periphery surveillance

- IGBW6-10** Glass break detector
- IMKW6-10** Door / window contact
- ISxxx** External PIR detectors
- IS43x** Active IR beams

Room surveillance

- ADM-112W1** Motion detector (Fresnel lens)
- IR160W6-10** Motion detector (black mirror)
- IR65W6-10** Motion detector (360°)
- IWFW6-10** Flood detector
- IOPW6-11** Smoke detector
- Grades 2/3** E-Line detectors Single and dual technology
- Grade 2** IRxxx/UP370 Single and dual technology
- Grade 3** IR270T/UP370T Single and dual technology
- Grade 4** IRO840T PIR/Optical motion detector
- OP412** Optical smoke detector

Object surveillance

- GM7xx** Seismic detectors

Alarming & signalling devices

- ISRW6-12** Outdoor siren
- Silent alarms**

Wireless detectors and peripherals
Wired detectors and peripherals

Intrunet SPC series

- SPC4XXX/SPC5XXX/SPC6XXX control units**
- SPCK42x** Wired LCD keypads with/without integrated card reader or wireless receiver
- IRCW6-11** Remote control

- 8 to 512 wired or 120 wireless zones
- 8 on-board wired inputs
- Up to 512 programmable outputs
- PSTN, GSM and IP (SPC6000) communication
- On-board Web server (SPC5000/6000)

System units

- SPCExxx/SPCPxxx** System expanders
- SPCW130** SiWay X-BUS expander
- SPCW110** SiWay wireless kit
- SPCN110** PSTN module
- SPCN310** GSM module

Programming/maintenance

- Local programming via keypad
- Local or remote programming via PC (SPC Pro software)
- Configuration transfer/back-up with Fast Programmer
- Local or remote programming via Web server

Door control

- SPCA210** 2-door expander (SPC5000/6000)
- Door control configuration with SPC Pro software

Communication methods

- IP (SPC6000)**
- GSM**
 - Primary source of communication or
 - Back-up to IP/PSTN communication
 - Alarm transmission
 - Remote configuration or maintenance
- PSTN (analogue telephone networks)**
 - Primary sources of communication
 - Back-up to IP/GSM communication
 - Alarm transmission
 - Remote configuration or maintenance

Video verification

Use in combination with SISTORE recording systems from Siemens for alarm triggered recording and automatic camera zoom-in

Alarm management

- Connection to Central Monitoring Station (CMS) via SPC Com over IP
- Monitor and control a large panel park with status icons for each connected SPC panel (SPC6000)

Remote programming and maintenance

- Store and retrieve controller data via SPC Pro, SPC Fast Programmer or Web server
- Off-site pre-configuration
- On-site or remote firmware upgrades
- Full access to security and maintenance functions via the on-board Web server or a PC with SPC Pro

Large sized applications

- Airports
- Shopping centres
- Casinos
- Industrial premises

Medium sized applications

- Banks
- Data centres
- Government buildings
- Hospitals

Small sized applications

- Small retail
- Petrol stations
- Large residential
- Commercial buildings

Entry level applications

- Private homes
- Apartment buildings
- Small businesses
- Healthcare practices

Intrunet SI series

- SI1xx/SI2xx/SI3xx/SI4xx control units**
- SAK84/SAK94** LCD keypads. Add on key switch/annunciation modules
- SAK51/52/53** LCD keypads with 2-line display. With/without audio
- IRCW6-11** Remote control

- 6 to 464 inputs
- 5 to 154 outputs
- 3 to 16 partitions with independent settings
- Up to 32 verification zones
- Up to 32 keypads
- Up to 20 "2-year" calendars
- Up to 497 definable users

System units

- SAT12** Addressable expander
- IEGW6-12** SiWay/Si2Way wireless E-Bus gateway
- SMN42/SMN43** IP and IP/GSM modules
- SML51** PSTN module

Programming/maintenance

- Local programming via keypad
- Local or remote programming via PC (Sylcom software)
- Macro tool for customised functionality
- Parameter up- & download via Web browser (IP/GSM modules)

Door control

- SiPass** card reader (arm/disarm)
- SMG71** Addressable card reader gateway (SI4xx panels)

Communication methods

- IP and GSM (GPRS)**
 - SMS alerts
 - Event transmission
 - Remote maintenance over IP (GPRS back-up)
- PSTN (analogue telephone networks)**
 - Alarm transmission
 - Audio/video alarm verification
 - Configuration or maintenance
- ISDN**
 - Alarm transmission
 - Audio/video alarm verification
 - Configuration or maintenance

Audio & video verification

- WAC12** Addressable 2-way device with speaker/microphone. Audio verification over PSTN/ISDN
- WAT21** Addressable audio/video interface

Alarm management

- Alarm notification and verification (audio/video) over PSTN and ISDN
- Alarm notification via SMS event messages
- Voice announcements to designated individuals (incl. audio verification)
- Redundant connection via IP and GSM (GPRS)

Remote programming and maintenance

- Configuration and maintenance over PSTN, ISDN and IP
- Off-site pre-configuration
- Parameter and service events server
- Full access to security and maintenance functions via a PC with Sylcom

IC60 series

- IC60 panels**
- IKP6-03** Wired LCD keypad
- IKPW6-10** Wireless LED keypad
- IRCW6-11** Remote control

- Compact or modular versions
- Security, safety and comfort functionality in one system
- 8 to 16 wired/wireless zones
- Local or remote operation over telephone/mobile phone

System units

- IZE6-04** 4-wired zone expander module
- IRO6-04** 4 relay output module
- IRFW6-10/IRFW6-12** SiWay/Si2Way wireless protocol interface modules
- IGS6-10** External GSM module, quad band with TCP/IP

Programming/maintenance

- Direct local programming via keypad
- Local programming via USB interface and laptop
- Programming using memory stick (up/download settings)
- Remote programming via modem and PC

Door control

- IAR6-30** 125 KHz card reader
- Up to 7 readers/system (modular)
- Up to 100 users
- Arm/disarm system

Communication methods

- PSTN**
- GSM/GPRS**
 - SMS alerts
 - Back-up in case of telephone line failure
 - Transmission of information over GPRS

Audio verification

- IAV6-90** 2-way audio verification module

Alarm management

Connection to a CMS for centralised and remote alarm management:

- Alarm verification
- Alarm notification to customers
- Performance tests
- Notification to intervention services

Remote programming and maintenance

- Local or remote software programming