



Intrusion

Intrunet wireless
detectors & peripherals –
maximum flexibility



Answers for infrastructure.

SIEMENS



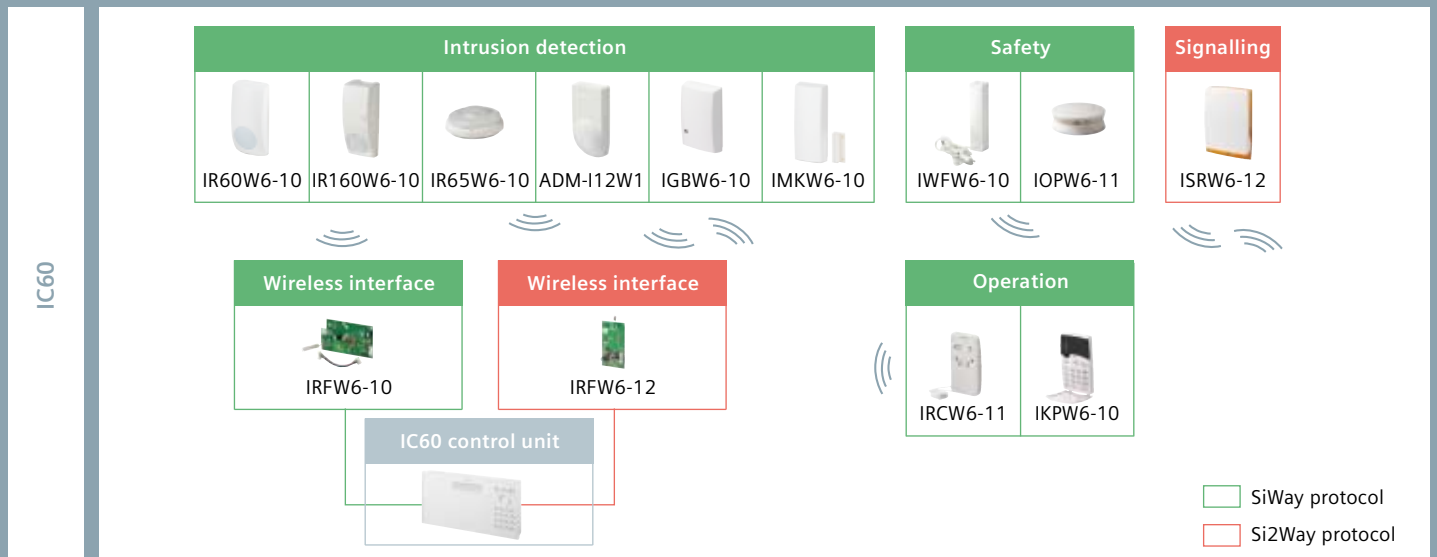
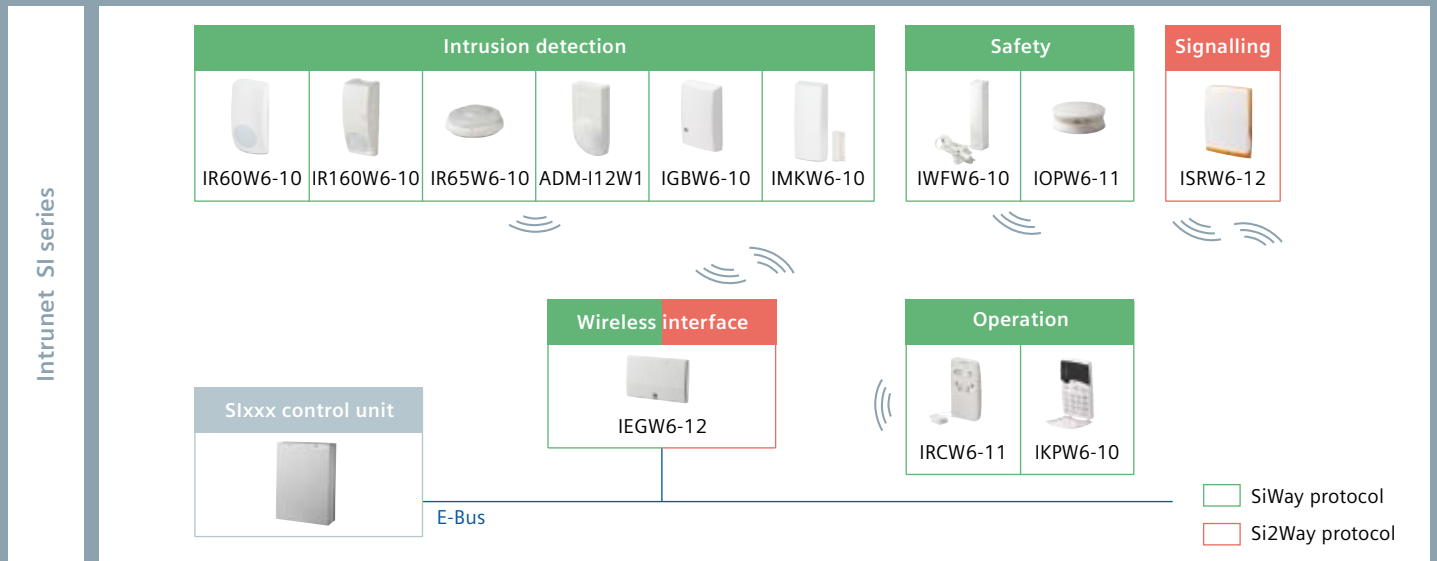
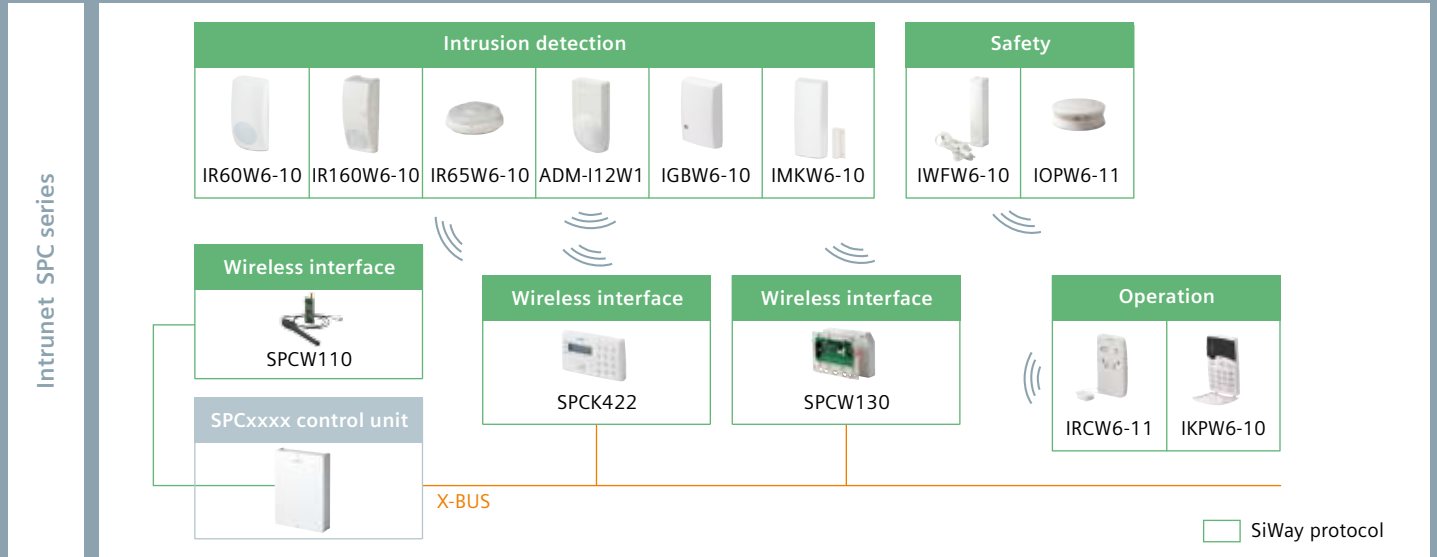
Expert intrusion detection goes wireless

With the Intrunet™ wireless detectors and peripherals, Siemens brings together its in-depth knowledge of sophisticated intrusion detection and communication technologies.

Simple and fast to install, this comprehensive portfolio addresses the most challenging requirements of typical wireless applications, and is fully compatible with the IC60 and Intrunet intrusion control systems from Siemens. Designed for installations where aesthetic considerations or cabling limitations are critical factors, all Intrunet wireless detectors and peripherals benefit from a slim and elegant design that will blend seamlessly in any environment.

Based on the well-established proprietary SiWay and Si2Way protocols the range meets today's wireless challenges seamlessly by delivering installation flexibility without compromising performance and reliability.

Wireless portfolio – system integration



Intrunet wireless detectors and peripherals – compatibility matrix

		IC60		
		IC60W-10	IC60WA-10	IC60-8
		SiWay as standard		IRFW6-12 SiWay
		IRFW6-12 Si2Way module		
		Wireless interfaces		
Intrusion detection	 ADM-I12W1 12 m wide-angle PIR detector (SiWay) <ul style="list-style-type: none"> 6 to 18 m adjustable range (12 m default) Up to 25 m continuous curtain range (optional) User selectable pet immunity (15/25 kg) 	■	■	■
	 IR60W6-10 12 m wide-angle PIR detector (SiWay) <ul style="list-style-type: none"> Sealed sensor chamber with temperature compensation 2 sensitivity settings 	■	■	■
	 IR160W6-10 18 m wide-angle PIR detector (SiWay) <ul style="list-style-type: none"> Siemens patented black mirror triplex technology Look down zone or 30 m continuous curtain (optional) Optimum white light filtering Temperature compensation 	■	■	■
	 IR65W6-10 360° ceiling PIR detector (SiWay) <ul style="list-style-type: none"> 20 m diam. or 310 m² coverage Housing protection against insects and draughts 2 sensitivity settings 	■	■	■
	 IMKW6-10 Door/window contact (SiWay) <ul style="list-style-type: none"> Interface for external contacts Slim design Can be used with other systems (water, heating) 	■	■	■
	 IGBW6-10 Acoustic glass break detector (SiWay) <ul style="list-style-type: none"> Operating radius up to 6 m For normal, tempered, laminate, wired and armour-coated glass Outstanding signal analysis (2 sensitivity settings) 	■	■	■
Safety	 IOPW6-11 60 m² Smoke detector (SiWay) <ul style="list-style-type: none"> EN 14604:2005 and VdS-approved Integrated sounder and test button Optical smoke chamber with detection algorithms 	■	■	■
	 IWFW6-10 Flood detector (SiWay) <ul style="list-style-type: none"> Sensor cable with adjustable length up to 2 m Very small and compact Low battery warning signal 	■	■	■
Operation	 IRCW6-11 Remote control (SiWay) <ul style="list-style-type: none"> Extremely compact and slim design Arm/disarm/part-arm functions Panic button and freely programmable key Exchangeable Lithium battery 	■	■	■
	 IKPW6-10 LED keypad (SiWay) <ul style="list-style-type: none"> LED indication (error/program, low battery) Arm/disarm/stay functionality Code arming 	■	■	■
Signalling	 ISRW6-12 Outdoor siren (Si2Way) <ul style="list-style-type: none"> Bi-directional wireless communication User-selectable siren and flash cut-off times Tamper/tear-off protection 	■	■	■

*The IEGW6-12 is compatible with selected Intrunet SI series panel models and firmware versions. Please contact your local sales representative for more information.



The Intrunet wireless devices are part of the comprehensive portfolio of high-performance intrusion products and systems available from Siemens.

Best in class intrusion portfolio from Siemens

■ Perimeter and periphery surveillance

Intrunet external motion detectors push the boundaries of PIR technology, allowing industrial grade intrusion detection systems to become a viable option for a wider range of applications. With unique, enhanced performance characteristics, they provide superior detection, lowest nuisance alarm rates, true tamper protection, and trouble-free installation, operation and maintenance. The range of periphery surveillance detectors offer the final touch to any modern security system: from door and window contacts to glass break detectors, no area will be left un-monitored.

■ Room surveillance

Siemens' in-depth knowledge of sophisticated motion detection technologies comes into its own with a comprehensive range of wired single and dual technology motion detectors for applications ranging from EN Grade 2 to Grade 4. Intelligent signal analysis enables the Intrunet range of detectors to reliably detect intruders and also discriminate effectively against false alarms. All benefit from an innovative snap-in installation concept which dramatically reduces the risk of contamination during mounting, therefore further reducing the risk of false alarms.

■ Object surveillance

The range of Intrunet seismic detectors are specially designed for the monitoring of safes, vaults and ATMs against theft and vandalism. All models deliver outstanding false alarm immunity, and facilitate speed of intervention and optimal structural damage limitation. The Senstec™ patented sensor technology ensures a reliable and very early detection of thermal and mechanical attacks. With flexible mounting options – inside a wall or surface mount – the detectors are easy to install and set up, and offer adjustable sensitivity to cater for all applications and environments.

■ IC60 intrusion system

Specifically designed by Siemens for the home and small business environments, this multi-functional security system combines security, safety and comfort functionalities on one system, making it the right choice for anyone looking for intelligent intruder detection, total safety and ultimate convenience. Its stylish control panel and keypad are at the heart of the system, whether wired or wireless: SMS alerts, water leak detection or even lighting control are just a few of the functionalities IC60 offers.

■ SI series intrusion systems

Modular and scalable, the Intrunet SI series control systems form the heart of easy-to-operate, adaptable intrusion systems. Easy to install, wired or wireless, the family uses a common programming software that can be configured to fit individual needs. Clever alarm verification processes ensure a high false alarm immunity. Versatile communication paths, including IP and GSM/GPRS, ensure high alarm transmission reliability and support powerful remote services (programming, activation, maintenance) – for all round high performance and flexible security.

■ SPC series intrusion systems

Scalable up to 512 wired/120 wireless zones, the Intrunet SPC series facilitates the planning and installation phases thanks to common keypads, modules and expanders, which can be mixed and matched to fit applications of all sizes. Straightforward system commissioning is achieved thanks to a powerful suite of configuration tools and a high speed/length expander bus with loop topology for high fault tolerance. Sophisticated programming, alarm management and control functionality – including door management – as well as full connectivity with tri-paths communication, enable the system to be truly tailored to the most stringent security requirements.

Meet the wireless challenges in confidence with Siemens

■ Maximum installation flexibility

Primarily designed for residential and commercial applications, the Intrunet wireless detectors and peripherals are well suited for installations where cabling is restricted or aesthetic considerations prevent the installation of wired detectors. With a radio range of up to 300 m in open environments, the portfolio includes motion detectors, a door/window contact, a glass break detector and safety devices (smoke and flood detectors), as well as a control keypad, a remote control and an outdoor siren. All devices are powered by standard Lithium batteries, available from any electronics reseller.

■ Straightforward compatibility

Intrunet wireless devices are based on the SiWay or Si2Way wireless protocols, and can easily be connected to Siemens control panels:

- For the Intrunet SPC series, three interface components are available for SiWay wireless devices connection: the SPCW110 internal RF kit, the SPCW130 external X-BUS gateway, and the SPCK422 LCD keypad with SiWay RF module.
- For the Intrunet SI series, the IEGW6-12 SiWay/Si2Way E-Bus gateway enables the communication with all wireless devices.
- IC60W-10 and IC60WA-10 panels

support SiWay wireless devices by default. For Si2Way devices (outdoor siren) compatibility, the internal IRFW6-12 module is required.

- IC60-8 and IC60M-8 panels can support SiWay devices thanks to the IRFW6-10 module. In addition, the IRFW6-12 module can be used for Si2Way (outdoor siren) compatibility.

■ Secure, reliable wireless network

SiWay is a proven, secure and reliable radio communication protocol thanks to unique device identifiers and an outstanding radio range. Based on an 868MHz radio transmission, SiWay was developed with communication security as a priority. Si2Way is an extension of the SiWay protocol, and enables bi-directional communication with actuators (e.g. sirens). Communications between the devices and the gateway or panel are regularly monitored, with immediate notification of any jamming attempt. The battery levels and radio communication quality of any detector can easily be checked, further increasing system performance and flexibility.

■ Quality manufacturing

The Intrunet wireless detectors and peripherals benefit from Siemens' long experience in quality manufacturing and control, and are designed to meet the relevant EN standards.

Highlights

- Comprehensive wireless portfolio for a wide range of residential and commercial applications
- Maximum device positioning flexibility and reduced installation time thanks to reliable wireless communication
- Seamless compatibility with the IC60, Intrunet SI series and Intrunet SPC series intrusion systems
- Improved aesthetics thanks to slim, discreet devices and the absence of wires
- Proven SiWay/Si2Way wireless technology, with excellent communication range and advanced security features



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.



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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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