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Home Security Gateway Series

Transforming Your Life

HSGW Home Security Gateway Series

Secure Your Peace of Mind

The HSGW is an IP-based multi-functional RF, ZigBee, and Z-Wave smart home security gateway with optional add-on of Wi-Fi or 3G/LTE capabilities, providing comprehensive solutions, including remote management, home security, live visual monitoring, home automation, energy management and emergency monitoring, designed to bring all-around convenience, comfort and safety.

Multiple Communication Paths

3G/LTE Technology

APP

Easy Management

Smart Home

Smart Home Services

2KmRF

World-Leading 2-Km RF Range

Multiple Communication Paths

- 3G/LTE, IP (Ethernet), or WiFi Communication Paths
- Supports RF, ZigBee, or Z-Wave devices
- Optional expansion via USB dongle

Remote Management

- 160 zones
- Smartphone App (iOS & Android) and Web browser

Smart Home Services

Our HSGW Series provides comprehensive smart home services, including remote control, home security, live visual monitoring, home automation, energy management and emergency monitoring.

World-Leading 2-Km RF Range

The HSGW adopts the groundbreaking Security@2km Wireless Technology that delivers RF communication range of 2 kilometers (1.5 miles), fast signal transmission, and relentless reliability.

VST-1818 R3
IP Camera
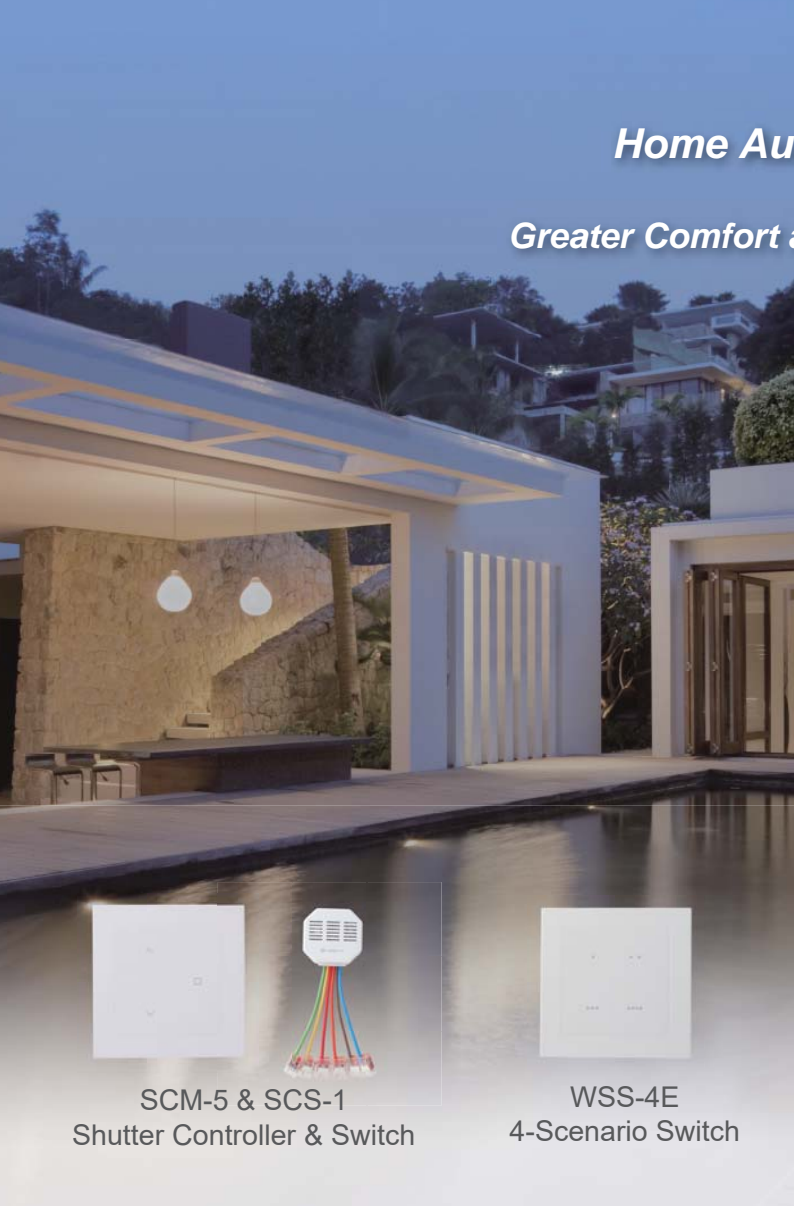
VST-862
Camera PIR
Motion Detector

EIR-32
Outdoor Pet-Immune
PIR Motion Detector

The VST-1818 R3 IP camera, the VST-862 Camera PIR detector, and the EIR-32 outdoor pet-immune PIR motion detector deliver live video and alarm videos/images for visual verification.

Live Visual Monitoring

The HSGW can be compatible with up to 6 IP cameras, and PIR cameras/PIR video cameras for visual verification and real-time monitoring. PIR Motion Cameras/IP Cameras captures images and record video clips when unauthorized motions are detected and sent to users and monitoring centers for immediate action.

Alarm Reporting

The IP-based HSGW can send alarm reporting in multiple formats, including alarm events in CID/SIA, SMS, Email, Push reporting via 3G/IP, and send videos and images over Email via IP.

Built-in Siren

The HSGW features a loud built-in siren to blare out immediate warning when emergencies occur. It can also incorporate additional indoor and outdoor sirens to establish a powerful early warning system.

Backup Battery

The HSGW have rechargeable battery backup, which means that the gateways will keep working even when the power is out, or if it was purposefully sabotaged. When it comes to your security system, there is no room for error.

Home Automation

Greater Comfort and Convenience

SCM-5 & SCS-1
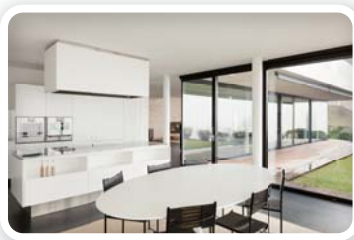Shutter Controller & Switch

WSS-4E
4-Scenario Switch

TMST-2
Thermostat

AQS-1
Air Quality Sensor

Home Automation

The HSGW incorporates ZigBee and/or Z-Wave accessories to automate your home and enhance your life quality. You can easily tailor the HSGW's services to meet your family's needs anytime, anywhere via smartphone app and web browser.

The HSGW automates lights and appliances according to:

Temperature Settings

Custom Scenes & Schedules

Security Status

Group/Zone Settings

• *One button press to execute movie mode scene to turn on TV, dim the lights, and close the shades*

• *Set your lawn sprinklers on a weekly schedule*

• *Set living room lights on at different intervals to appear the house is occupied even when it's not*

Energy Management

Live Greener with Lower Costs

Emergency Monitoring

Protect Your Home from Fire, Flooding and Air Toxins

| PSM-29ZBS Power Meter Switch | EMD-1ZW Energy Meter | PRM5-ZBS Power Meter & Relay Switch | POVS-1ZBS PIR Occupancy/ Vacancy Sensor |

Energy Management

The HSGW can integrate whole-house energy meters to report how much electricity the entire household uses and ZigBee/Z-Wave power meter switches to monitor the power consumption of individual home appliances. With this power-saving system you can develop a useful strategy to reduce energy consumption.

24-Hour Emergency Monitoring

The HSGW can incorporate smoke/heat detectors, water sensors, air quality sensors, panic buttons, light and humidity sensors to protect user's family and property from damage cause by fire, heat, water, or air toxins. This round the clock monitoring ensures comprehensive prevention of disasters and quick response during emergencies.

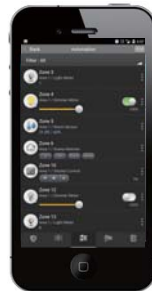| SD-29 Smoke Detector with motion, temperature sensor & Emergency light | Mini-SD Mini Smoke & Heat Detector | SDCO-1 Carbon Monoxide Detector | WLS-23 Water Leakage Sensor |

Remote and Mobile Control

Vesta Home App
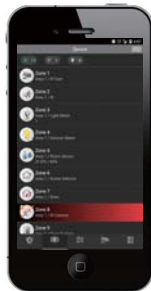
The end user can download the Vesta Home App from the App Store or the Google Play Store to manage the HSGW, receive event reports and view alarm videos/images on a smartphone.

Available on the App Store

ANDROID APP ON Google play

Home Portal Server

Home Portal Server, our high-capacity IP/GPRS platform, enables the CMS to remotely manage the HSGW and serve customers.

The HSGW Series Comparison Chart

	HSGWG-G1	HSGW-G3	HSGW-G5	HSGW-G8	HSGW-G15
Communication Path	IP (Ethernet) and/or WiFi				
Built-in Module	RF, ZigBee, Or Z-Wave	RF and Zigbee or Z-Wave	Zigbee, and Z-Wave	3G/LTE, RF, and Zigbee or Z-Wave	RF, Zigbee, and Z-Wave
Optional Expansion via USB Dongle	WiFi, Z-Wave or 3G/LTE (requires 6B battery pack)				
Wireless Zones	160 zones				
Reporting Method	CID/SIA, Email, SMS, Push Notification				
Programming Method	Web and App				
Features/Capabilities					
Live Visual Verification	✓	✓	✓	✓	✓
Home Automation	✓	✓	✓	✓	✓
Energy Management	✓	✓	✓	✓	✓
24/7 Emergency Monitoring	✓	✓	✓	✓	✓
Remote Management	✓	✓	✓	✓	✓
RF Devices Support	✓	✓		✓	✓
Built-in Siren	✓	✓	✓	✓	✓
Specifications					
ZigBee Protocol	ZigBee Pro HA 1.2, 2.4GHz				
Z-Wave Protocol	Z-Wave Plus 500, 868.40MHz (EU) / 908.40MHz (US)				
RF Frequencies	433MHz / 868MHz				
3G Frequencies	900 / 1800 / 2100MHz				
LTE Frequencies	800 / 900 / 1800 / 2100 / 2600MHz				
WiFi Module	802.11 b/g/n				
Power Supply	(4B) 9V/1A or (6B) 12V/1A				
Backup Battery	(4B) 4.8V, 1100mAh, Ni-mH rechargeable battery pack; or (6B) 7.2V, 1600mAh, Ni-mH rechargeable battery pack (3G/LTE option); or (6B) 7.2V, 2300mAh, Ni-mH rechargeable battery pack (3G/LTE option)				
Backup Battery Life	(4B) 6.5hrs* or (6B) 13hrs*, or (6B) 24hrs*				
Operating Temperature	-10°C to 45°C (14°F to 113°F)				
Operating Humidity	Up to 85% non-condensing				
Dimensions	150mm x 140mm x 42mm				
Certifications	EN50131 Grade 2, Class II				

* Note: The actual battery life may vary with product settings, usage patterns and operating environment.

Ordering Information

HSGW-G1-4B/6B-F1 433/868	IP Gateway with built-in RF module
HSGW-G1-4B/6B-F1 433/868-WIFI	IP Gateway with built-in RF and WIFI connections
HSGW-G1-4B/6B-ZBS	IP Gateway with built-in ZigBee module
HSGW-G1-4B/6B-ZBS-WIFI	IP Gateway with built-in ZigBee and WIFI connections
HSGW-G1-4B/6B-ZW	IP Gateway with built-in Z-Wave module
HSGW-G1-4B/6B-ZW-WIFI	IP Gateway with built-in Z-Wave and WIFI connections
HSGW-G3-4B/6B-F1 433/868-ZBS	IP Gateway with built-in RF and ZigBee module
HSGW-G3-4B/6B-F1 433/868-ZBS-WiFi	IP Gateway with built-in RF, ZigBee module and WiFi connections
HSGW-G3-4B/6B-F1 433/868-ZW	IP Gateway with built-in RF, and Z-Wave module
HSGW-G3-4B/6B-F1 433/868-ZW-WiFi	IP Gateway with built-in RF, Z-Wave module and WiFi connections
HSGW-G5-4B/6B-ZBS-ZW	IP Gateway with built-in ZigBee, and Z-Wave module
HSGW-G5-4B/6B-ZBS-ZW-WIFI	IP Gateway with built-in ZigBee, Z-Wave module, and WiFi connections
HSGW-G8-3G/LTE-ZBS-F1 433/868	IP Gateway with built-in RF, 3G/LTE, and ZigBee module
HSGW-G8-3G/LTE-ZW-F1 433/868	IP Gateway with built-in RF, 3G/LTE, and Z-Wave module
HSGW-G15-4B/6B-ZBS-ZW-F1 433/868	IP Gateway with built-in RF, ZigBee, and Z-Wave modules
HSGW-G15-4B/6B-ZBS-ZW-F1 433/868-WIFI	IP Gateway with built-in RF, ZigBee, Z-Wave modules and WiFi connections