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Home Security Gateway Series

Transforming Your Life

Climax

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/4G 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/4G Technology

APP

Easy Management

Smart Home Services

2KmRF

World-Leading 2-Km RF Range

Multiple Communication Paths

- 3G/4G, 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

Climax's 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 Climax's groundbreaking Security@2km Wireless Technology that delivers RF communication range of 2 kilometers (1.5 miles), fast signal transmission, and relentless reliability.

Home Security

The Best Safety Lies in Smart Living

Live Visual Monitoring

The HSGW can integrate IP cameras and camera PIR motion sensors to deliver live visual monitoring and visual verification. 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.
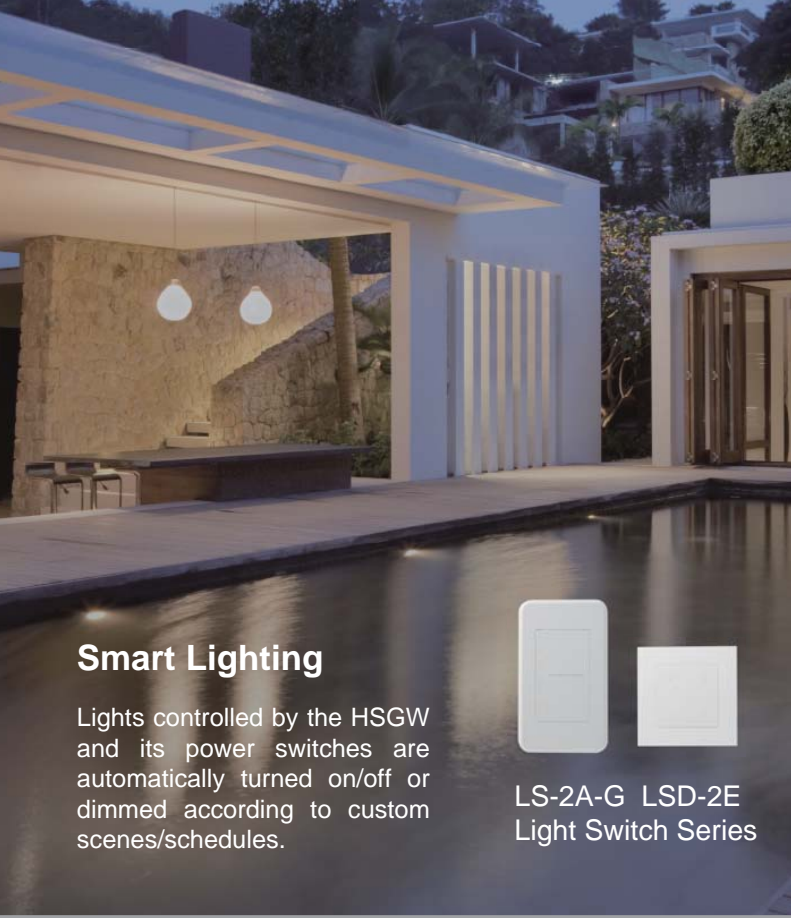
Backup Battery

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.

The VST-1818 IP camera, the VST-873 PIR video camera and the VST-852 PIR camera deliver live video and alarm videos/images for visual verification.

Home Automation

Greater Comfort and Convenience

Smart Lighting

Lights controlled by the HSGW and its power switches are automatically turned on/off or dimmed according to custom scenes/schedules.

LS-2A-G LSD-2E
Light Switch Series

Thermostats

Climax thermostats works with HSGW to automatically control AC and heating systems and configure schedules and conditions, anytime, anywhere.

TMST-2ZBS

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

Energy Management

Live Greener with Lower Costs

Emergency Monitoring

Protect Your Home from Fire, Flooding and Air Toxins

PSM-29ZBS
Power Meter
Switch

EMD-1ZBS
Energy
Meter

PRM2-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-8ZBS-EL
Smoke Detector

Mini-SDZBS
Mini Smoke &
Heat Detector

CO-8ZBS
Carbon Monoxide
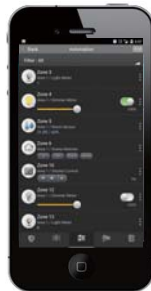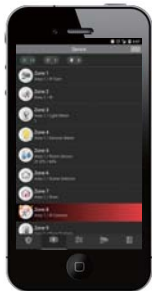Detector

WLS-23ZBS
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, Climax's high-capacity IP/GPRS platform, enables the CMS to remotely manage the HSGW and serve customers.

The HSGW Series Comparison Chart

	HSGW-G1	HSGW-G3	HSGW-G5	HSGW-G8	HSGW-G15
Communication Path	IP (Ethernet), and/or WiFi				
Built-in Module Options	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				
Features					
Live Visual Verification	✓	✓	✓	✓	✓
Advanced Home Automation	✓	✓	✓	✓	✓
Energy Management	✓	✓	✓	✓	✓
24/7 Emergency Monitoring	✓	✓	✓	✓	✓
Remote Management via Mobile App & Web	✓	✓	✓	✓	✓
RF Devices Support	✓	✓		✓	✓
Built-in Siren	✓	✓	✓	✓	✓
Specifications					
ZigBee Protocol	ZigBee Pro HA 1.2, 2.4GHz				
Z-Wave Protocol	Z-Wave 868.40MHz (EU) / 908.40MHz (US)				
RF Frequencies	433MHz / 868MHz				
3G/LTE Frequencies	2100 / 1900 / 1800 / 1700 / 850 / 800 / 2600 / 900MHz				
WiFi Module	802.11 b/g/n				
Power Supply	(4B) 9V/1A or (6B) 12V/1A				
Backup Battery	(4B) 4.8V, 1100 mAh, Ni-mH rechargeable battery pack or (6B) 7.2V, 1600 mAh, Ni-mH rechargeable battery pack (required for 3G/LTE or 3G dongle option)				
Backup Battery Life	(4B) 6.5hrs* or (6B) 13hrs*				
Operating Temperature	-10°C to 45°C (14°F to 113°F)				
Operating Humidity	Up to 85% non-condensing				
Dimensions	150mm x 140mm x 42.3mm				

* Battery backup time varies by usage and configuration.

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-ZBS-F1 434/868-WIFI	IP Gateway with built-in RF, 3G/LTE, ZigBee module and WiFi connections
HSGW-G8-3G/LTE-ZW-F1 433/868	IP Gateway with built-in RF, 3G/LTE, and Z-Wave module
HSGW-G8-3G/LTE-ZW-F1 433/868-WIFI	IP Gateway with built-in RF, 3G/LTE, Z-Wave module and WiFi connections
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