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## Home Security Gateway Series

*Transforming Your Life*

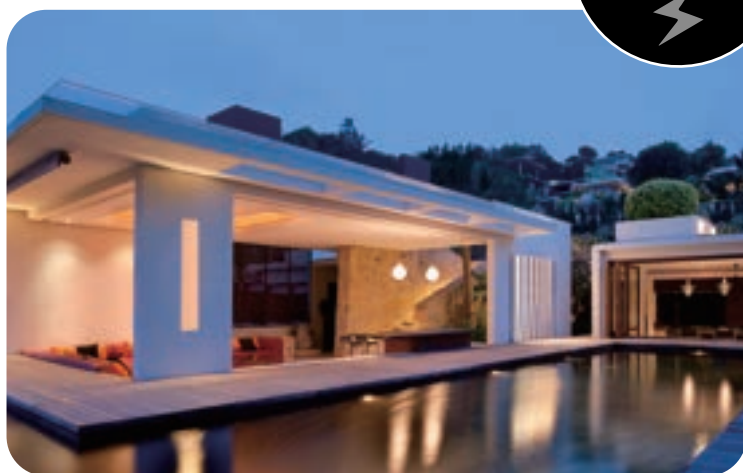
# HSGW-MAX Home Security Gateway

*Secure Your Peace of Mind*



The HSGW-MAX 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. The system offer better quality of voice communication and calling experience. The gateway provides 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



Easy Management



Smart Home  
Services



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

Vesta's HSGW-MAX 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-MAX adopts Vesta'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-MAX can be compatible with 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-MAX can send alarm reporting in multiple formats, including alarm events in CID/SIA, SMS, Email, Push reporting via 3G/LTE/IP, and send videos and images over Email via IP.

## Built-in Siren

The HSGW-MAX 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-MAX 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.



VST-1818 R3  
IP Camera



VST-892  
Camera PIR  
Motion Detector



EIR-32  
Outdoor Pet-Immune  
PIR Motion Detector

The VST-1818 R3 IP camera, the VST-892 Camera PIR detector, and the EIR-32 outdoor pet-immune PIR motion detector deliver live video and alarm videos/images for visual verification.

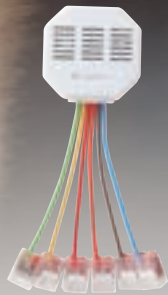


## Home Automation

Greater Comfort and Convenience



SCM-5 & SCS-1  
Shutter Controller & Switch



WSS-4E  
4-Scenario Switch



TMST-2ZW  
Thermostat



### Home Automation

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

The HSGW-MAX automates lights and appliances



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*

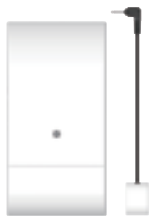


## Emergency Monitoring

*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-MAX 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-MAX 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



SDCO-1  
Carbon Monoxide  
Detector



WLS-15ZBS  
Water Leakage  
Sensor



***Be in Control Wherever You Are***

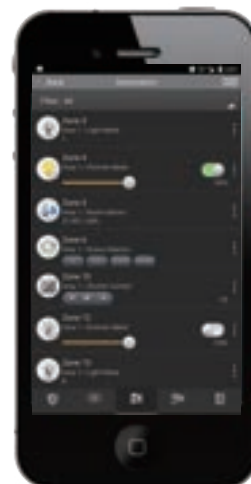
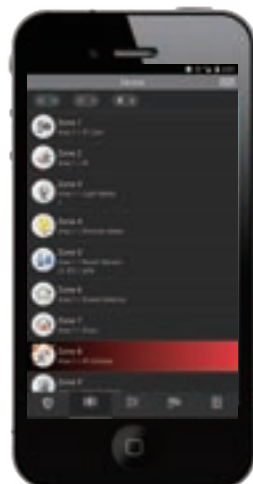
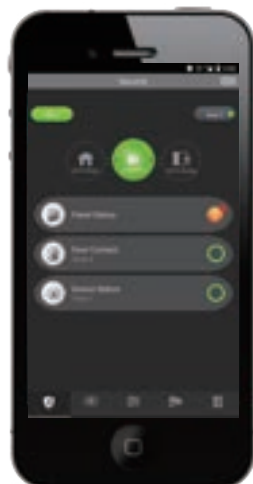
## ***Remote and Mobile Control***

### **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-MAX, 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, Vesta's high-capacity IP/GPRS platform, enables the CMS to remotely manage the HSGW-MAX and serve customers.



The HSGW-MAX Series Comparison



	HSGW-MAX1	HSGW-MAX3	HSGW-MAX5	HSGW-MAX8	HSGW-MAX15
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					
Live Visual Verification	✓	✓	✓	✓	✓
Advance 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 Plus 500 Series, 868.40MHz (EU) / 908.40MHz (US)				
RF Frequencies	433MHz				
3G Frequencies	EU: B1 (2100 MHz) / B5 (850 MHz) / B8 (900 MHz) US: B2 (1900 MHz) / B4 (1700MHz) / B5 (850 MHz)				
LTE Frequencies	EU: B1 (2100 MHz) / B3 (1800 MHz) / B5 (850 MHz) / B7 (2600 MHz) / B8 (900 MHz) / B20 (800 MHz) US: B2 (1900 MHz) / B4 (1700MHz) / B12 (700MHz)				
Optional Add-on (HSGW-MAX8)	External antenna (MMCX connector)				
WiFi Module	802.11 b/g/n				
Power Supply	12V, 1A				
Backup Battery	7.2V, 600mAh, Ni-mH rechargeable battery pack (for 3G/LTE option); or 7.2V, 1100mAh Ni-mH rechargeable battery pack (for 3G/LTE option)				
Backup Battery Life	14hrs* (600mAh), or 28hrs* (1100mAh)				



<b>Operating Temperature</b>	-10°C to 45°C (14°F to 113°F)
<b>Operating Humidity</b>	Up to 85% non-condensing
<b>Dimensions</b>	150 mm x 140 mm x 42 mm

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

Ordering Information

<b>HSGW-MAX1-F1 433/868</b>	IP Gateway with built-in RF module
<b>HSGW-MAX1-F1 433/868-WIFI</b>	IP Gateway with built-in RF and WIFI connections
<b>HSGW-MAX1-ZBS</b>	IP Gateway with built-in ZigBee module
<b>HSGW-MAX1-ZBS-WIFI</b>	IP Gateway with built-in ZigBee and WIFI connections
<b>HSGW-MAX1-ZW</b>	IP Gateway with built-in Z-Wave module
<b>HSGW-MAX1-ZW-WIFI</b>	IP Gateway with built-in Z-Wave and WIFI connections
<b>HSGW-MAX3-F1 433/868-ZBS</b>	IP Gateway with built-in RF and ZigBee module
<b>HSGW-MAX3-F1 433/868-ZBS-WIFI</b>	IP Gateway with built-in RF, ZigBee module and WiFi connections
<b>HSGW-MAX3-F1 433/868-ZW</b>	IP Gateway with built-in RF, and Z-Wave module
<b>HSGW-MAX3-F1 433/868-ZW-WIFI</b>	IP Gateway with built-in RF, Z-Wave module and WiFi connections
<b>HSGW-MAX5-ZBS-ZW</b>	IP Gateway with built-in ZigBee, and Z-Wave module
<b>HSGW-MAX5-ZBS-ZW-WIFI</b>	IP Gateway with built-in ZigBee, Z-Wave module, and WiFi connections
<b>HSGW-MAX8-3G/LTE-ZBS-F1 433/868</b>	IP Gateway with built-in RF, 3G/LTE, and ZigBee module
<b>HSGW-MAX8-EX-3G/LTE-ZBS-F1 433/868</b>	IP Gateway with built-in RF, 3G/LTE, and ZigBee module, external antenna supported (antenna not included)
<b>HSGW-MAX8-3G/LTE-ZW-F1 433/868</b>	IP Gateway with built-in RF, 3G/LTE, and Z-Wave module
<b>HSGW-MAX8-EX-3G/LTE-ZW-F1 433/868</b>	IP Gateway with built-in RF, 3G/LTE, and Z-Wave module, external antenna supported (antenna not included)
<b>HSGW-MAX15-ZBS-ZW-F1 433/868</b>	IP Gateway with built-in RF, ZigBee, and Z-Wave modules
<b>HSGW-MAX15-ZBS-ZW-F1 433/868-WIFI</b>	IP Gateway with built-in RF, ZigBee, Z-Wave modules and WiFi connections