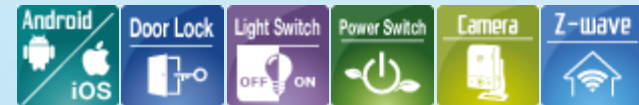


Z-wave Home Automation Control Gateway

HCA-1000



www.planet.com.tw

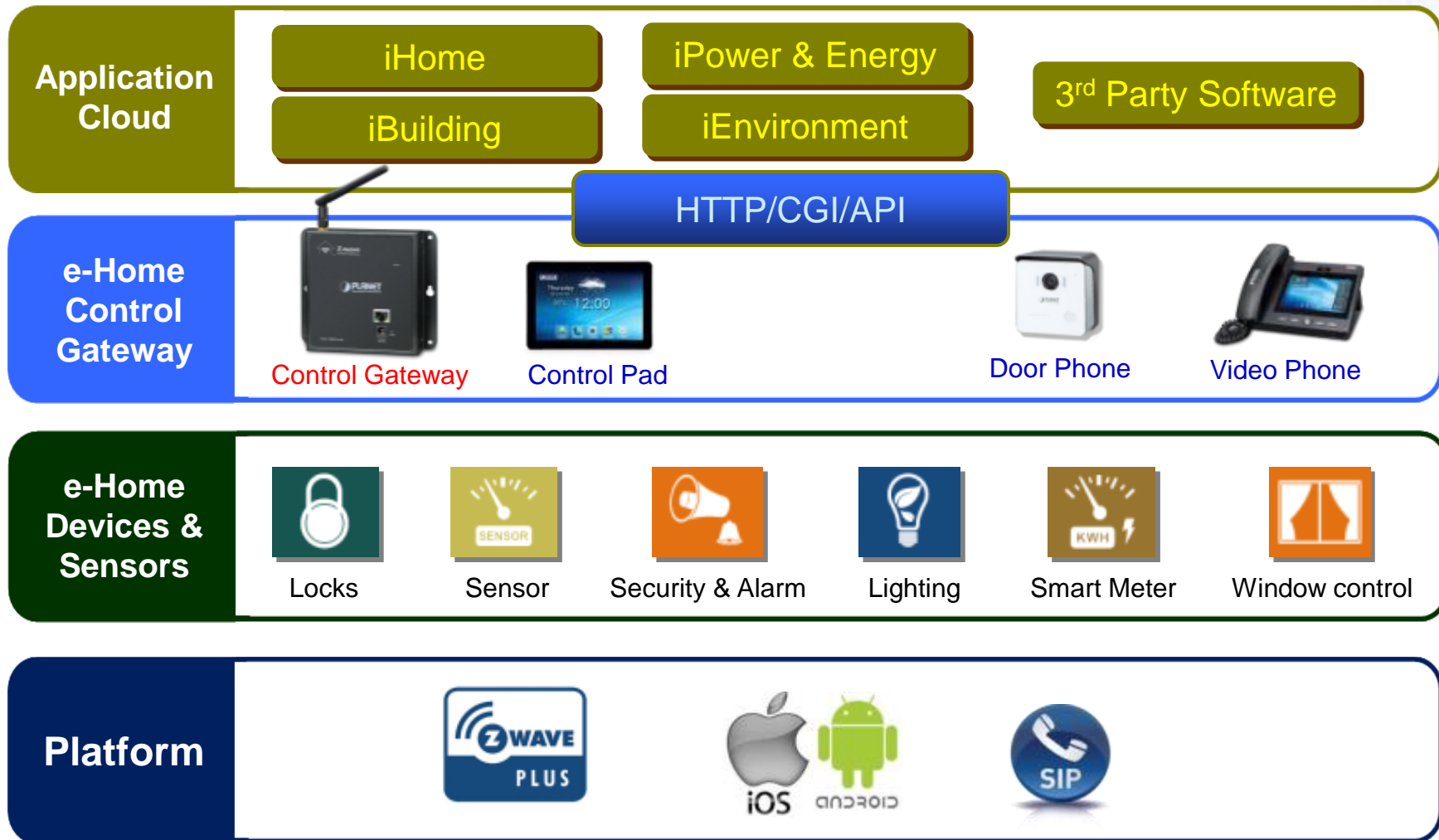
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Presentation Outlines

- ◆ **Home Automation Structure**
- ◆ Home Automation Solution
- ◆ **Product Overview**
- ◆ Product Features
- ◆ **Product Applications**
- ◆ Product Comparison



Home Automation Structure



Home Automation Solution

Networking Equipment



Wall-mounted PoE+ Switch
WGS-804HPT

Security IP Camera



ICA-W7100



ICA-4150



ICA-3150



ICA-3110

Home Control Devices



e-Home Control Gateway
HAC-1000

- Z-Wave Plus™ certified
- Pre-defined scene modes
- App and control pad alerts



e-Home Control Pad
HTS-1000P

- 10.1-inch touch panel
- Home device control – Intercom, Lighting, Security, Power management, etc
- 802.3af PoE, 802.11n compliant



IP Door Phone
HDP-1100PT/HDP-1150PT

- Acoustic Echo Cancellation
- H.264/MJPEG Video codec and SIP/RTSP protocol
- 802.3af PoE compliant



Android Multimedia IP Phone
ICF-1800

- 7" TFT HD Touch Screen
- Built-in Android 4.2 OS & SIP 2.0
- 10-way conversation
- Built-in 2 mega-pixel camera
- 802.3af PoE compliant

Home Control Accessories



PIR Sensor
HZS-100 series



Smoke Detector
HZS-200 series



4-in-1 Multi Sensor
HZS-300 series



Plug-in Power Monitor
HZS-532E-DE



Plug-in Power Monitor
HZS-531E-US

Home Automation Solution

◆ Total Solution to Smart Home

- ✓ Compliant with **Z-Wave Plus™** and **PoE** standard
- ✓ Real-time **IP Camera** monitoring and two-way **Intercom**
- ✓ Integrates Control gateway and Door phone with one **Control Pad**
- ✓ The Intelligent System for **Home Security & Energy** and **Cost Saving**
- ✓ Convenient control via iOS or Android apps (**Cloud Home & Cloud Bell**)

Remotely Control your Home Anywhere!

Home Automation and Smart Home Control
Z-Wave Home Automation Control Gateway **HAC-1000**

Product Overview

◆ Front View



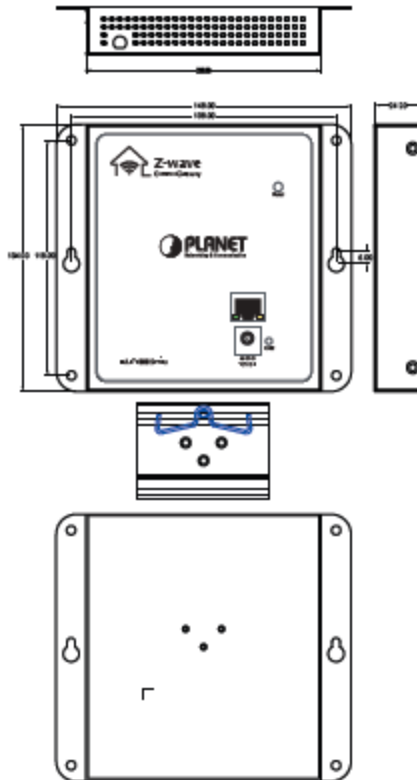
LED	Color	Description
PWR	Green	Lights to indicate that the Switch has power.
LNK/ACT	Green	Lights to indicate the port is successfully established. Blinks to indicate that the switch is actively sending or receiving data over that port.

Interface	Description
Reset	This button is hidden in the pinhole. This button is used to restore all the factory default settings. Please hold the reset button for about 10 seconds to load default
Power Jack	12V DC, 1A 100~240, 50-60Hz, 0.3A Switching Power Supply

Product Overview

◆ Physical Specifications

Dimensions (W x D x H)	148 x 25 x 134 mm
Weight	441g (gross weight)

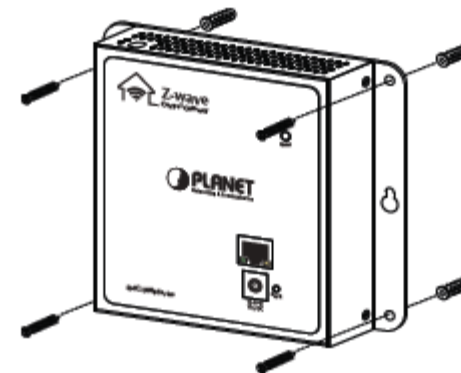


◆ Wall and Magnet Installation

A. Wall-mount Installation

To install the PoE Ethernet Switch on the wall, simply follow the following steps:

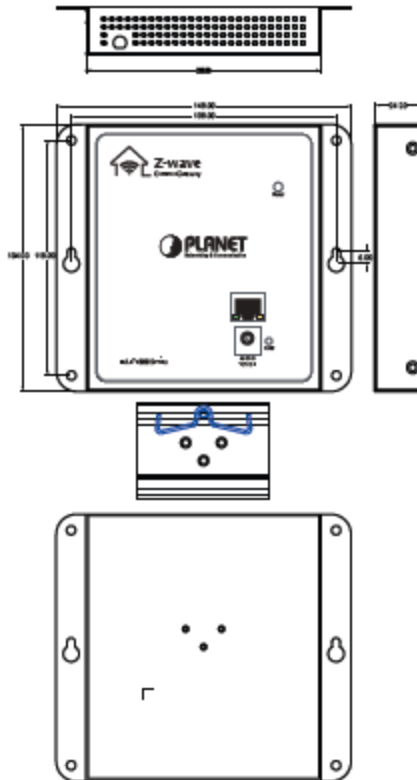
- Step 1:** There are 4 holes with 8mm diameter on the wall; the distance between the 2 holes is 133mm and the line through them must keep horizontal.
- Step 2:** Install a conductor pipe inside the board hole and flush the edge of the conductor pipe with the wall surface.
- Step 3:** Screw the bolts into the conductor pipe. The HAC-1000 is between bolts and conductor pipe, as shown below.



Product Overview

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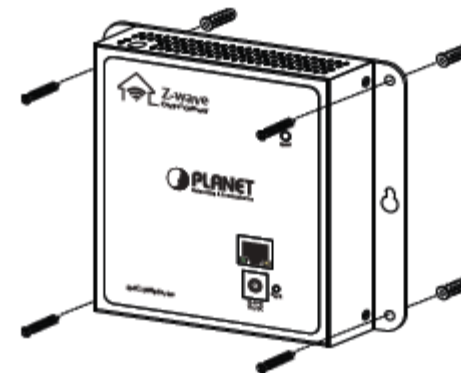


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Product Features

Home Automation Configurations

- ◆ Powerful home control and **Z-Wave Plus™** certified product in a slim, wall-mounted box
- ◆ **Energy** and **cost saving** by automatically/manually turning off those devices not in use
- ◆ Provides **pre-defined scene** modes such as wake up, sleep and more
- ◆ Control **lights** based on **time** and **occupancy**
- ◆ Control **thermostats** based on **schedules** and **occupancy**
- ◆ Ensure entry doors are **closed** and **locked remotely**

Product Features

- ◆ Completely power down **audio** and **video** equipment, and other appliances at night
- ◆ **Real-time image** monitoring of community public cameras
- ◆ **Remotely control** your shades and blinds
- ◆ **24-hour** emergency monitoring

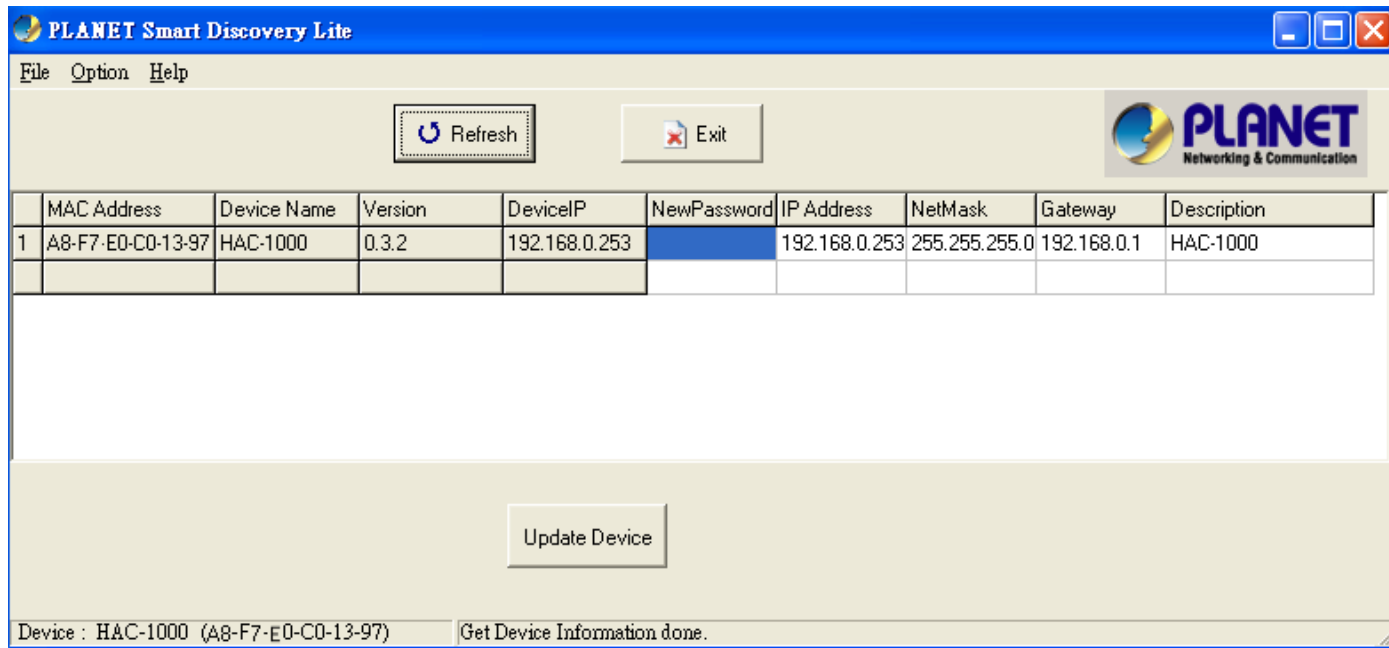
Easy Installation & Management

- ◆ **IP30-rated** housing
- ◆ **App** and **control pad** alerts for any situation

Product Features – *Smart Discovery*

◆ Smart Discovery Lite Software

- ✓ **Smart Discovery Lite** software is included for ease of HAC-1000 HA Gateway search and maintenance.

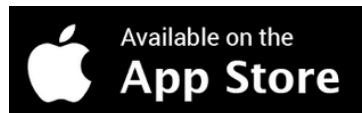
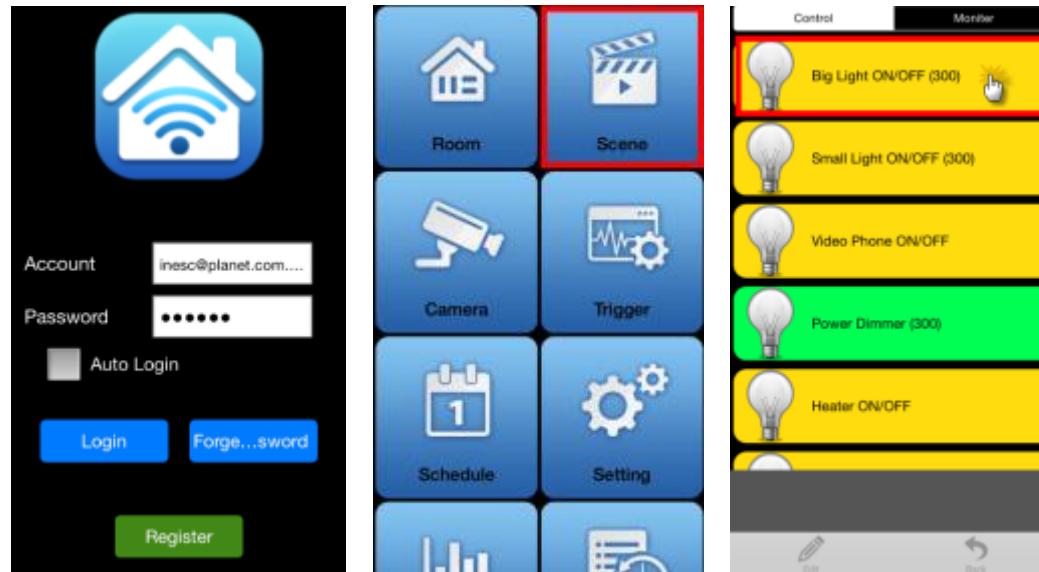


	MAC Address	Device Name	Version	DeviceIP	NewPassword	IP Address	NetMask	Gateway	Description
1	A8-F7-E0-C0-13-97	HAC-1000	0.3.2	192.168.0.253		192.168.0.253	255.255.255.0	192.168.0.1	HAC-1000

Product Features – *APP*

◆ Surveillance On-the-Go

- ✓ With the **Cloud Home** app for iPhone/iPad or Android device, you can quickly and easily control your HAC-1000 HA Gateway feed from anywhere with Wi-Fi or 3G connection.



Product Features – *Real-time Monitoring*

- ✓ IP cameras can be linked to PLANET HAC-1000 and Cloud Home app for remote monitoring. Users can keep an eye on their home on mobile phones over a secure connection to the Home Automation Control Gateway.



Product Features – ***Lighting Control***

- ✓ Users can choose the most comfortable lighting brightness for the perfect atmosphere. They can also choose the right time to turn the light on for comfort, or to warn and prevent burglars from intruding the premises.



Product Features – *Personal Scene Mode*

- ✓ In the "Scene" mode you can set everything you want in every room of your home for any activity or anything in-between from morning to night. An unlimited number of scenes can be created and customized to your personal preferences.



Multiple Scene Modes For Smart Home

Product Features – *Energy and Cost Saving on Every Room*

- ✓ You can also check the current energy consumption in your home within the configuration interface of the HAC-1000. Manage these energy-saving devices such as power meter switches, power switches and dimmer switches to help you reduce energy consumption and thus save expenses on utilities.



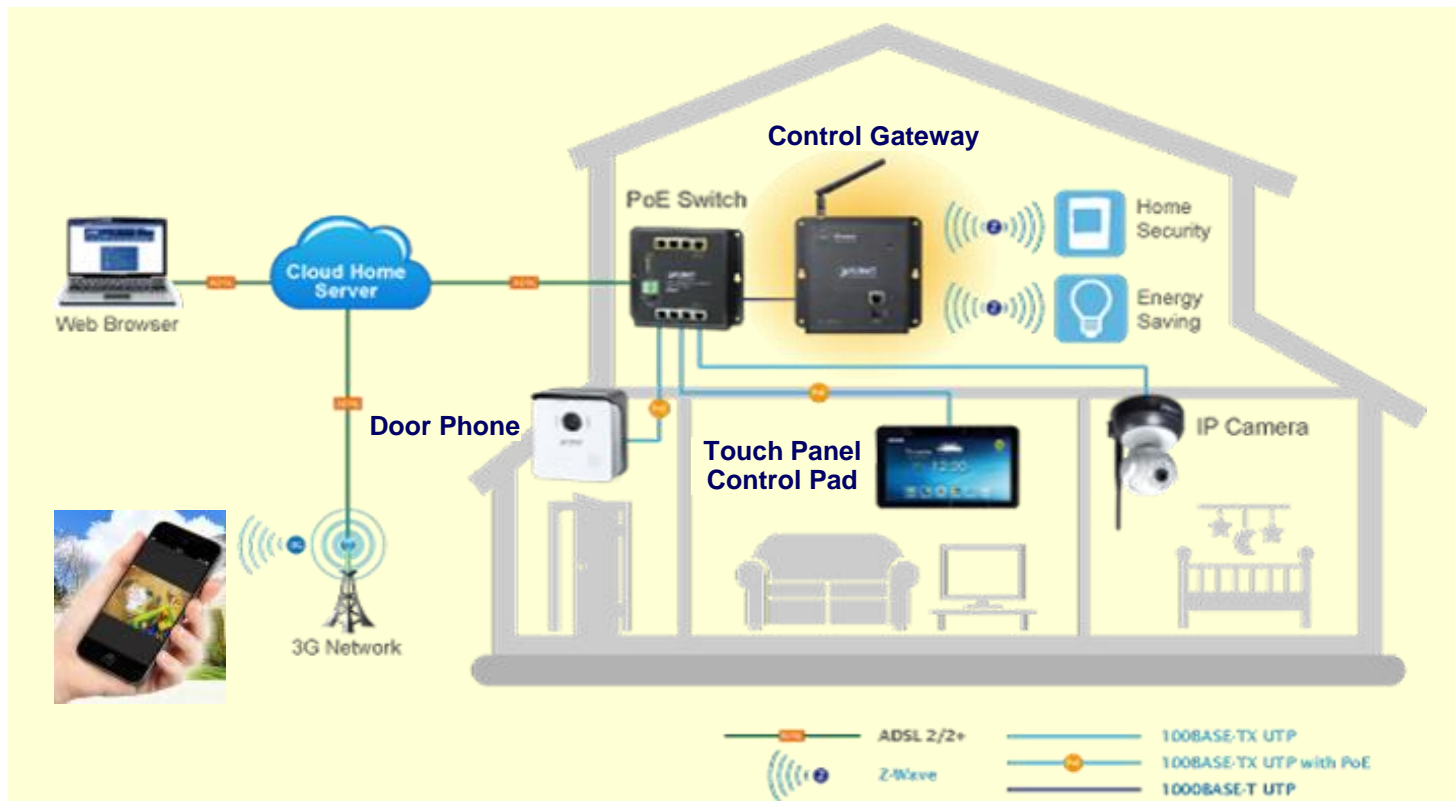
Product Features – ***Important Alerts***

- ✓ Alerts like use of electricity, home alarms and more can be brought to your notice without delays by way of cloud hosting. From now on, you can have all these alerts no matter where you are, making your home a smart and secure one.



Home Automation Application

- ✓ You can control this innovative automation system from wherever you are, at home or abroad, using the touch screen of your iOS or Android phone, thus making your home a smart one.



Smart Home Z-Wave Device

- ✓ PLANET HZS (Z-Wave Sensing Device) Series, based on Z-Wave technology, provides the advanced security system that protects your home and family 24 hours a day. Easy operation and flexible configuration are the attractive features of our system; the simple one-touch button lets you program your regular settings according to your preference and operation mode.



PIR Motion Sensor

4-in-1 Sensor

Smoke Detector

Cloud Home

Z-Wave Builds Smart Homes!

Smart Energy Meter

Smartly Control Your Home No Matter Where You Are!

Z-Wave Home Automation Devices **HZS Series**

Motion and Temperature Detection – **HZS-100**

- ✓ PLANET HZS-100 is a Z-Wave wall-mount PIR motion sensor that monitors movement and sends Z-Wave signal when movement is detected. With its built-in temperature sensor feature, the HZS-100 will send the signal out when temperature inside the building changes.



Vocal Smoke Alarm Horn – **HZS-200**

- ✓ PLANET HZS-200 is a photoelectric smoke detector whose alarm of the loudest level of 85dB is triggered upon detection of smoke coming from fire or other burning sources. You will be promptly alerted of the situation.



Safeguarding Homes, Offices...at your Command Remotely – *HZS-300*

- ✓ The HZS-300 sends Z-Wave signal to the user when someone is prying a door or window open, or there is a change in humidity, luminosity and temperature. Thus, it not only helps to protect homes, offices and other establishments from theft, but also helps to keep humidity, luminosity and temperature in these places within their ideal range.



Energy and Cost Saving on Every Room – *HZS-530 series*

- ✓ PLANET HZS-5xx Series is a Z-Wave Smart Energy Meter that checks the current energy consumption in your home within the configuration interface of the HAC-1000. You can also manage these energy-saving devices such as power meter switches, power switches and dimmer switches to help you reduce energy consumption and thus save expenses on utilities.



Appendix -- Sales Target

◆ Target Markets

- ✓ Home Automation System Integrators
- ✓ SOHO, Home Users
- ✓ Resellers



◆ Profitable Products

- ✓ The following are potential to all customers:
 - PoE Switch
 - IP Surveillance
 - IP Telephony



Appendix

◆ Related Home Automation

Model Name		Description
HAC-1000A		Z-Wave Home Automation Control Gateway (Z-Wave Frequency: 908.42MHz)
HAC-1000E		Z-Wave Home Automation Control Gateway (Z-Wave Frequency: 868.42MHz)
HTS-1000P		10-inch Touch Screen Home Automation Controller
HDP-100PT		720p SIP Door Phone with PoE
WGS-804HP		8-Port 10/100/1000T Wall-mounted Gigabit Ethernet Switch with 4-Port PoE+






Appendix

◆ Related Home Automation

Model Name		Description
ICA-W7100		720p Wireless IR PT IP Camera
ICA-3150		720p IR Bullet PoE IP Camera
ICA-4150		720p IR Dome PoE IP Camera
ICA-3110		HD Ultra-mini Bullet IR IP Camera
ICF-1800		HD Touch Screen Android Multimedia Conference Phone

Appendix

◆ Related Home Automation

Model Name		Description
HZS-100E HZS-100A		Z-Wave Wall-mount PIR Motion Sensor E: ETSI-868.42MHz, A: FCC-908.42MHz
HZS-200E HZS-200A		Z-Wave Ceiling-mount Smoke Detector E: ETSI-868.42MHz, A: FCC-908.42MHz
HZS-300E HZS-300A		Z-Wave 4-in-1 Multi Sensor E: ETSI-868.42MHz, A: FCC-908.42MHz including Door/Window Contact, Humidity, Temperature and Light Sensor
HZS-531A-US		Z-Wave Smart Energy Meter (FCC-908.42MHz, AC 100-230V, 10A max.)
HZS-532E-DE		Z-Wave Smart Energy Meter (ETSI-868.42MHz, AC 100-230V, 10A max.)



ACTIVATING IP POWER