Smart Home Security Gateway Series

Transforming Your Life
# Climax’s Smart Home Security Gateway Solutions

## The Safest Smart Home

Climax’s Complete Security & Home Automation Gateway Solutions product range is a total solution integrating security monitoring, home automation, energy management, environmental emergency monitoring, and senior care all in one. Climax’s multi-functional Smart Home Security Gateways can be expanded and customized to fit home environments with different security requirements and adjusted to meet user’s changing needs.

Climax’s Gateways fulfills the security functionality with world-leading RF 2km range, alarm reporting, live visual monitoring, 24-hr emergency monitoring, visual verification solutions, and senior care. Together with advanced smart home features including ZigBee and Z-Wave compatible home automation, energy management, and intuitive user interface for remote management and control, Climax Gateways are an all-in-one solution.

The Smart Home Security Gateway series incorporates wireless home automation systems designed for users to live smarter, and enhance comfort, security, and convenience.

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## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>About Climax</td>
<td>2</td>
</tr>
<tr>
<td>Home Security Features</td>
<td>4</td>
</tr>
<tr>
<td>Home Portal Server &amp; Intuitive User Experience</td>
<td>5</td>
</tr>
<tr>
<td>Home Automation Features</td>
<td>6</td>
</tr>
<tr>
<td>ESGW Easy Security Gateway Series</td>
<td>7</td>
</tr>
<tr>
<td>MZ Smart Security Gateway Series</td>
<td>8</td>
</tr>
<tr>
<td>ML Smart Security Gateway Series</td>
<td>9</td>
</tr>
<tr>
<td>HMGW Home Management Gateway Series</td>
<td>10</td>
</tr>
<tr>
<td>HSGW Home Security Gateway Series</td>
<td>11</td>
</tr>
<tr>
<td>HSVGW Home Security Voice Gateway Series</td>
<td>12</td>
</tr>
<tr>
<td>HPGW-G Home Passport Gateway-G Series</td>
<td>13</td>
</tr>
<tr>
<td>Z1 Smart Camera Home Security System</td>
<td>14</td>
</tr>
<tr>
<td>VL Touchscreen Smart Security System</td>
<td>15</td>
</tr>
</tbody>
</table>
World-Leading 2-km RF Range
Climax's ground-breaking Security@2km Wireless Technology delivers RF communication range of 2 kilometers (1.5 miles), fast signal transmission, and relentless reliability. This premium feature renders particularly suitable for the protection of mid-size to large or complicated premises.

Multiple Communications Paths & Protocols
Climax's Smart Home Security Gateways have multiple communications options, IP (Ethernet), WiFi, or 3G/LTE connectivity. Climax's Gateways also support multiple protocols including RF, ZigBee, Z-Wave, and/or DECT protocols. The advantage of multiple communication paths and protocols allow installers and users greater flexibility to set up in home environments

Works with Amazon Alexa
Climax's Smart Home Security Gateways are compatible with Amazon Echo and Echo Dot products allowing users to use Alexa voice control to arm and disarm their security system using a secure PIN. And voice control interact with compatible devices like thermostats, lights and smartlocks.

Voice over Internet Protocol VOIP
Climax's Smart Home Gateways have Voice over Internet Protocol (VoIP) capabilities, which uses a broadband internet connection to send voice calls. An alternative to traditional phone services, VoIP reduces communications costs, requires only the typical internet structure for operation, to form an emergency intercom system with clear two-way audio.

Senior Care
Climax Smart Home Gateways provides optional senior care services through an emergency intercom system consisting of DECT devices such as talking pendants (WTRVS), emergency voice communicators (CP-23), and voice extenders (CTC-808RV). When pressed during an emergency, a DECT device will make VoIP phone calls between the user and monitoring personnel as well as activate other DECT devices on the premises.
**Home Security**

**Total Visual Monitoring Solution**
Indoor & Outdoor IP cameras, PIR cameras, and PIR video cameras can be incorporated into Climax Smart Home Security Gateways for visual verification and real-time visual monitoring. PIR Cameras captures images and record video clips when unauthorized motions are detected and notifies users and CMS immediately.

**Built-in Siren**
Climax’s Smart Home Security Gateways have built-in sirens to alert users to possible intruders, emergencies, and safety incidents. Voice prompts and alert tones are also available to fulfill all alerting needs, from home intrusions, fire, flood to emergencies, and allowing users to know the exact reason for the alert.

**24-Hour Emergency Monitoring**
Climax’s Smart Home Security Gateways can incorporate smoke/heat detectors, water sensors, carbon monoxide detectors, panic buttons, light and humidity sensors to protect user’s family and property from damage caused by fire, heat, water, or air toxins. Receive an immediate alert when the system senses trouble, including water leaks or smoke detected. This round-the-clock monitoring ensures comprehensive prevention of disasters and quick response during emergencies.

**Alarm Reporting**
Climax Gateways sends alarm reporting in multiple formats including alarm events in CID/SIA formats via 3G/GPRS or IP, and SMS/Email reporting via 3G or IP, and/or send videos and images over Email/Push notification via IP.

**Backup Battery**
Many of Climax’s Smart Home Security Gateways 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 Portal Server

All-in-One Solution for Security Professionals and End Users

Home Portal Server is a high capacity IP/GPRS-based security management solution designed to meet the needs for both security professionals and end users, providing new and convenient ways to manage home security and smart home automation services.

As an all-in-one solution, the Home Portal Server Platform provides remote mobile control, visual verification, alarm notification, advanced home automation, energy management, total visual monitoring, and user-friendly interface. The platform can be accessed via a web browser or smart phone application.

Intuitive User Experience

Climax’s mobile application was designed with focus of user experience and usability in mind, skillfully transforms cutting-edge smart home and security technologies into robust features that allows users to remotely monitor and control their Smart Home Alarm System and home automation appliances from any corner of the world anytime, anywhere. The free app is available on

Secure your home, take control of your energy usage and manage your appliances from your smartphone, or web browser.
Climax’s Gateways incorporate ZigBee and Z-Wave devices to create an integrated, comprehensive home automation system, able to adapt to your lifestyle habits and enhanced security. Thermostats, lights, shutters, and household appliances can be turned on/off according to temperature settings, customized schedules/scenes, security status, and group/zone settings offering all-round comfort and well-being.

**Home Automation**

*Make Your Life Easier*

- Have the window shades, lights, temperature in the house automatically wake you up in the mornings.
- Illuminate the hallway lights automatically when you walk by in the middle of the night.
- Lock doors and arm the system with your voice.
- Check on the kids, whether you are downstairs or still at the office.
- Make your home sophisticated enough to appear to be occupied even when you’re away.

**Energy Management**

*Maximum Energy Efficiency*

- Program the lights to shut off automatically when a room is unoccupied.
- Program your window shades to lower during the hottest hours of the day, saving on AC costs.
- Have your outdoor lighting turn off in the morning, and turn on as the sun goes down.
- Monitor your daily, weekly, and monthly energy consumption.

Whole-house energy meters integrated into Climax’s gateways provide electricity consumption data to assist users to strategically boost energy efficiency and reduce electricity bills. Add on light and dimmer switches, power meter switches, occupancy/vacancy motion sensors, and thermostats to control temperature levels, automate shades, power off your lights remotely and program your entire home for maximum energy efficiency.
ESGW
Easy Security Gateway Series

Enjoy a Smart Secure Life

The ESGW Gateway is a smart home hub that bundles all your smart home controls in one place, giving you control of lights, locks, thermostats, security systems and more, all in a compact, modern design. The ESGW brings a complete and cost-effective security smart home solution to users.

Features

• Communications Path: IP (Ethernet), WiFi
• Built-in Protocol Options: ZigBee, Z-Wave
• Optional Expansion via USB Dongle: Z-Wave, WiFi
• Supports up to 160 wireless zones
• Security Alarm Reporting via CID/SIA
• Email /SMS /Push notification via HPS Cloud Server
• Home Security Alarm features
• Security Visual Verification
• Real-time Video Monitoring & Reporting features
• ZigBee and Z-Wave Home Automation capabilities
• Energy Management capabilities
• 24/7 Home Emergency Monitoring
• Remote management of lights, thermostats, locks, home appliances, and sensors via Smartphone App and Web browser

Specifications

• ZigBee Protocol: ZigBee Pro HA 1.2 , 2.4GHz
• Z-Wave Protocol: Z-Wave Plus (500 series module)
• Z-Wave Frequencies: 868.40MHz (EU) / 908.40MHz (US)
• Wi-Fi Module: 802.11 b/g/n
• Placement: Desktop
• Power Supply: 5V/1A AC power adaptor
• Operating Temperature: -10°C to 45°C (14°F to 113°F)
• Operating Humidity: Up to 85% non-condensing
• Dimensions: 114mm x 77mm x 33mm
MZ
Smart Security Gateway Series

Smarter Way of Secure Living

The MZ Series is a IP/3G security alarm gateway, covering a comprehensive range of advanced smart home and security alarm features designed to serve homes and businesses. Beyond just being an intrusion alarm system, MZ series assists users to manage their home with ZigBee home automation capabilities, energy management, live visual monitoring and verification, and emergency monitoring from anywhere at anytime.

Features
- Communication Path Options: IP (Ethernet), 3G
- Built-in Protocol Options: RF, ZigBee
- Supports up to 50 wireless zones
- Security Alarm Reporting via CID/SIA
- Email /SMS /Push notification via HPS Cloud Server
- Home Security Alarm functions with built-in siren and backup battery
- Security Visual Verification
- Real-time Video Monitoring & Reporting
- ZigBee Home Automation capabilities
- Energy Management capabilities
- 24/7 Home Emergency Monitoring
- Remote management of lights, thermostats, locks, home appliances, and sensors via Smartphone App and Web browser

Specifications
- ZigBee Protocol: ZigBee Pro HA 1.2, 2.4GHz
- 3G Frequencies: 2100/1900/1800/1700/850/800/2600/900 MHz
- RF Frequencies: 433 MHz / 868 MHz
- Placement: Wall mount or Desktop
- Power Supply: 9V/1A AC power adaptor
- Backup Battery: 4.8V, 1100mAh Ni-mH rechargeable battery pack
- Backup Battery Life: 12 hours*
- Operating Temperature: -10° to 45°C (14°F to 113°F)
- Operating Humidity: Up to 85% non-condensing
- Dimensions: Wall mount model: 260mm x 176mm x 30mm
  Desktop model: 135mm x 169mm x 27mm
- Compliance Listing: EN 50131

*Note: Actual battery life may vary with product settings, operating environment and usage.
ML
Smart Security Gateway Series

Think Smart. Live Smart. Stay Secure

As a comprehensive integrated security smart home alarm system, the ML series manages safety, security, visual verification, energy management, home automation, and home emergency monitoring features together in one unit. The ML Series with LCD displays also offer options of touch keypads, tag readers and rubber keypad models to ensure all-round protection for user’s lifestyle.

Features

• Communication Path: IP (Ethernet), 3G
• Built-in Protocol Options: RF, ZigBee
• Supports up to 50 wireless zones
• Security Alarm Reporting via CID/SIA
• SMS/Email/Push notification reporting via HPS Cloud Server
• Home Security Alarm functions with built-in siren and backup battery
• Two-way Voice and Voice Reporting
• Security Visual Verification
• Real-time Video Monitoring & Reporting features
• ZigBee Home Automation capabilities
• Energy Management capabilities
• 24/7 Home Emergency Monitoring
• Remote management of lights, thermostats, locks, home appliances, and sensors via Smartphone App and Web browser
• Options of LCD displays, touchkey or rubber keypad, and tag reader

Specifications

• ZigBee Protocol: ZigBee Pro HA 1.2, 2.4GHz
• 3G Frequencies: 2100/ 1900/ 1800/ 1700/ 850/ 800/ 2600/ 900 MHz
• RF Frequencies: 433 MHz / 868 MHz
• Placement: Wall mount
• Power Supply: 12V/2A AC power adaptor
• Backup Battery: 7.2V, 1600mAh Ni-mH rechargeable battery pack
• Backup Battery Life: 14 hrs*
• Operating Temperature: -10° to 45°C (14°F to 113°F)
• Operating Humidity: Up to 85% non-condensing
• Dimensions: 270mm x 190mm x 38mm
• Compliance Listing: EN 50131

*Note: Actual battery life may vary with product settings, operating environment and usage.
The HMGW is an IP-based RF, ZigBee or Z-Wave, multifunctional smart home security gateway with home automation, energy management, home security, live visual monitoring and 24/7 emergency monitoring all-in-one features, designed for users to live smarter, safer and save energy. HMGW brings a complete and cost-effective smart home solution for users to experience a comfortable and convenient 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 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.

Features

• Communication Path: IP (Ethernet), 3G/LTE
• Built-in Protocol Options: RF, ZigBee, Z-Wave
• Optional Expansion via USB Dongle: Z-Wave
• Supports up to 160 wireless zones
• Security Alarm Reporting via CID/SIA
• Email, SMS, and Push notification via HPS Cloud Server
• Home Security Alarm functions with built-in siren and backup battery
• Security Visual Verification
• Real-time Video Monitoring & Reporting features
• ZigBee and Z-Wave Home Automation capabilities
• Energy Management capabilities
• 24/7 Home Emergency Monitoring
• Remote management of lights, thermostats, locks, home appliances, and sensors via Smartphone App and Web browser

Specifications

• ZigBee Protocol: ZigBee Pro HA 1.2, 2.4GHz
• Z-Wave Protocol: Z-Wave Plus (500 series module)
• Z-Wave Frequencies: 868.40MHz (EU) / 908.40MHz (US)
• RF Frequencies: 433 MHz / 868 MHz
• 3G/LTE Frequencies: 2100/ 1900/ 1800/ 1700/ 850/ 800/ 2600/ 900 MHz
• Placement: Desktop or Wall Mount
• Power Supply: 9V/1A or 12V/1A
• Backup Battery: 4.8V, 1100 mAh Ni-mH rechargeable battery pack or 7.2V, 1600mAh Ni-mH rechargeable battery pack or 7.2V, 2300mAh Ni-mH rechargeable battery pack
• Backup Battery Life: 6.5hrs or 13hrs or 24hrs*
• Operating Temperature: -10° to 45°C (14°F to 113°F)
• Operating Humidity: Up to 85% non-condensing
• Dimensions: 153mm x 132mm x 30mm
• Compliance Listing: EN50131/UL1023

*Note: Actual battery life may vary with product settings, operating environment and usage.
HSVGW
Home Security Voice Gateway Series

*Take Smart Living Up a Notch*

HSVGW is an intelligent control panel with more power and more capacity, featuring two-way hands-free communication to further reduce false alarms and provide a peace of mind. HSVGW is a multi-functional RF, ZigBee, and Z-Wave smart home security gateway with optional add-on of WiFi or 3G/LTE capabilities, providing home security, visual verification, home automation, energy management, emergency monitoring, and remote management functions, for ultra-convenience, comfort and added protection for every user.

**Features**

- Communication Path Options: IP (Ethernet), Wi-Fi, 3G/LTE
- Built-in Protocol Options: RF, ZigBee, Z-Wave
- Optional Expansion via USB Dongle: Wi-Fi, Z-Wave
- Two-way hands-free Voice communication
- Voice over Internet Protocol (VoIP) capabilities
- Supports up to 160 wireless zones
- Home Security Alarm functions with built-in siren and backup battery
- Security Alarm Reporting via CID/SIA
- Email, SMS and Push notification via HPS Cloud Server
- Security Visual Verification
- Real-time Video Monitoring & Reporting features
- ZigBee and Z-Wave Home Automation capabilities
- Energy Management capabilities
- 24/7 Home Emergency Monitoring
- Remote management of lights, thermostats, locks, home appliances, and sensors via Smartphone App and Web browser

**Specifications**

- ZigBee Protocol: ZigBee Pro HA 1.2 , 2.4GHz
- Z-Wave Protocol: Z-Wave Plus (500 series module)
- Z-Wave Frequencies: 868.40MHz (EU) / 908.40MHz (US)
- 3G/LTE Frequencies: 2100/ 1900/ 1800/ 1700/ 850/ 800/ 2600/ 900 MHz
- RF Frequencies: 433 MHz / 868 MHz
- Wi-Fi Module: 802.11 b/g/ n
- Placement: Desktop or Wall Mount
- Power Supply: 12V/1.5A AC power adaptor
- Backup Battery: 7.2V, 1600 mAh Ni-mH rechargeable battery pack
- Backup Battery Life: 15 hours*
- Operating Temperature: -10° to 45°C (14°F to 113°F)
- Operating Humidity: Up to 85% non-condensing
- Dimensions: 138mm x 43mm x 160mm

*Note: Actual battery life may vary with product settings, operating environment and usage.
Features

- Communication Path Options: IP (Ethernet), Wi-Fi, 3G/LTE
- Built-in Protocol Options: RF, ZigBee, Z-Wave, DECT
- Optional Expansion via USB Dongle: Wi-Fi, Z-Wave
- Voice over internet Protocol (VoIP) capabilities
- Supports up to 160 wireless zones
- Home Security Alarm functions with built-in siren and backup battery
- Security Alarm Reporting via CID/SIA
- Email, SMS and Push notification via HPS Cloud Server
- Security Visual Verification and Real-time Video Monitoring & Reporting
- ZigBee and Z-Wave Home Automation capabilities
- Energy Management capabilities
- 24/7 Home Emergency Monitoring
- Senior Care via protection through DECT devices
- Remote management of lights, thermostats, locks, home appliances, and sensors via Smartphone App and Web browser

Specifications

- ZigBee Protocol: ZigBee Pro HA 1.2 , 2.4GHz
- Z-Wave Protocol: Z-Wave Plus (500 series module)
- Z-Wave Frequencies: 868.40MHz (EU) / 908.40MHz (US)
- 3G/LTE Frequencies: 2100/ 1900/ 1800/ 1700/ 850/ 800/ 2600/ 900 MHz
- RF Frequencies: 433 MHz / 868 MHz
- Placement: Desktop or Wall Mount
- Power Supply: 12V/2A AC power adaptor
- Backup Battery: 7.2V, 1600 mAh Ni-mH rechargeable battery pack
- Backup Battery Life: 12 hours*
- Operating Temperature: -10° to 45°C (14°F to 113°F)
- Operating Humidity: Up to 85% non-condensing
- Dimensions: 135mm x 169mm x 27mm
- Compliant Listing: CE 0681 (R&TTE Directive)/ EN300220-1&2/ EN300328/ EN301489-1&3&17/ EN60950-1/ EN62311

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

HPGW-G
Home Passport Gateway-G Series

A Powerful Solution for Smart and Secure Living

The HPGW-G Series is a powerful IP/3G/LTE-based smart home security solution, integrating home security, home automation, energy management, visual monitoring, emergency monitoring, and senior care all-in-one system. Add on RF, ZigBee, Z-Wave, DECT, and VoIP capabilities, the HPGW-G is a multifunctional panel that can provide unprecedented convenience, safety, and comfort.
Z1
Smart Camera Home Security System

Smart Secure Living Made Simple

Z1 is an All-in-One Smart Camera Home Security System, integrated with a high definition 1080p resolution camera with ultra-wide angle lens and night vision, plus two-way talk with echo cancellation. The multifunctional Z1 has built-in PIR motion, temperature, humidity, and ambient light sensors to help users build a safer, healthier environment. Z1 is compatible with RF, ZigBee, and Z-Wave accessories, supporting up to 160 wireless sensors, to create endless possibilities to provide comprehensive smart home security services, including remote management, home security, live visual monitoring, home automation, energy management and home emergency monitoring.

Features

- Communication Path: IP (Ethernet), WiFi
- Built-in Protocol Options: RF, ZigBee, Z-Wave
- Optional Expansion via USB Dongle: WiFi, Z-Wave
- Supports up to 160 wireless zones
- Security Alarm Reporting via CID/SIA
- Email, SMS, and Push notification via HPS Cloud Server
- Camera: 1920x1080p HD resolution with 152° diagonal wide-angle lens
- Temperature Sensor: detects temperatures from -10°C~50°C (14°F~122°F)
- Humidity Sensor: detects humidity range from 0 ~ 99%RH
- PIR Motion Sensor: 7m range @ 100° degrees
- Ambient Light Sensor: detects light Lux levels
- Energy Management capabilities
- Security Visual Verification and Real-time Video Monitoring features
- ZigBee and Z-Wave Home Automation capabilities
- 24/7 Home Emergency Monitoring
- Built-in siren, voice prompt, microSD slot
- Remote management via Smartphone App and Web browser

Specifications

- ZigBee Protocol: ZigBee Pro HA 1.2, 2.4GHz
- Z-Wave Protocol: Z-Wave Plus (500 series module)
- Z-Wave Frequencies: 868.40MHz (EU) / 908.40MHz (US)
- RF Frequencies: 433 MHz / 868 MHz
- Wi-Fi Module: 802.11 b/g/n
- Placement: Desktop
- Power Supply: 12V/2A AC power adaptor
- Backup Battery: 7.2V, 1600mAh NiMh rechargeable battery pack
- Backup Battery Life: 15 hours*
- Operating Temperature: -10° to 45°C (14°F to 113°F)
- Operating Humidity: Up to 85% non-condensing
- Dimensions: 164.5mm x 90.9mm x 78.3mm

*Note: Actual battery life may vary with product settings, operating environment and usage.
The versatile VL Touchscreen smart home security alarm system places peace of mind at user’s fingertips. VL’s user-friendly touchscreen panel with VOIP capabilities and additional expansion slots for RF, ZigBee, Z-Wave, or 3G/LTE modules creates a superior solution to meet all of user’s needs. Additionally with multiple functions including home security, home automation, energy management, visual verification, and home emergency monitoring features, to deliver enhanced living, safety, and convenience.

**Features**
- 7” (800x480) resolution color graphic touchscreen
- Communication Path: IP (Ethernet), Wi-Fi
- Built-in Module Options: RF, ZigBee
- Expansion Slot Module Options: Wi-Fi, 3G/LTE, Z-Wave
- Voice over internet Protocol (VoIP) capabilities
- Built-in speaker and microphone for two-way talk
- Supports up to 160 wireless zones
- Security Alarm Reporting via CID/SIA
- Email, SMS, and Push notification via HPS Server
- Home Security Alarm and Energy Management capabilities
- Security Visual Verification and Real-time Video Monitoring features
- ZigBee and Z-Wave Home Automation capabilities
- 24/7 Home Emergency Monitoring & Senior Care functions
- Remote management via Smartphone app and Web browser

**Specifications**
- ZigBee Protocol: ZigBee Pro HA 1.2, 2.4GHz
- Z-Wave Protocol: Z-Wave Plus 500 series module
- Z-Wave Frequencies: 868.40MHz (EU) / 908.40MHz (US)
- 3G/LTE Frequencies: 2100/1900/1800/1700/850/800/900/2600MHz
- RF Frequencies: 433MHz / 868MHz
- Wi-Fi Protocol: 802.11b/g/n
- Placement: Wall mount or Desktop
- Power Supply: 12V/2A AC-DC
- Backup Battery: 7.2V, 1600mAh Ni-MH rechargeable battery pack
- Battery Backup Time: 9 hours*
- Operating Temperature: -10°C to 45°C (14°F to 113°F)
- Operating Humidity: Up to 85% non-condensing
- Dimensions: 250mm x 182mm x 42mm
- Compliant Listing: CE0681 (R&TTE Directive) / EN300220-1&2 / EN300328 / EN301489-1&3&17 / EN62311

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