Smart Home Solutions

Technology for a Smarter Lifestyle

Solution Guide

Smart Home

- Automation and Control
- Security and Monitoring
- Flexible Platforms, Applications and Devices
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Why ZyXEL?

In today’s modern life, people value convenience and peace of mind. ZyXEL aims to provide solutions for this with a wide variety of smart automated devices and services from operators that assist people on simplifying their home lifestyle. With ZyXEL’s smart devices, operators and service subscribers have solid foundation for integration and automation of their home electronics that meet their needs.

Right Partners for Right Solutions

ZyXEL teams up with major partners to provide solutions for operators to effectively deploy a smart service for their subscribers, and they have everything from operators’ back-end servers to subscribers’ connected devices covered. What operators need to do is simply choosing the right solutions for their subscribers.
First-hand Experience with Fast, Quality Deployments
ZyXEL has successfully collaborated with operators to deploy a wide range of smart devices and applications; this ensures ZyXEL to have the experience deploying services operators would need. For even more satisfaction, we work closely with operators and walk through every step on the way together to deliver the solutions with stability, quality.

Tailored Packaging for All Tastes
ZyXEL is a global company capable of customizing devices to operator’s needs. From local language to box packaging, ZyXEL is committed to delivering the right message that assists catering products to subscribers needs and getting it up and running as smoothly as possible, which results better subscription retention and customer satisfaction.

New Service Upgrade Capability
With a full series of technology solutions, ZyXEL’s offerings are of expanding additional applications along with connected home devices that operators wish to offer their subscribers with; this, in turn, gives operators better opportunities to grow their services provided to their subscribers.
Catered Applications

**Monitoring & Control for Home Safety**
ZyXEL solutions keep homes from hazards such as fire, smoke, flooding and the like. Deploy ZyXEL PTZ IP Cameras and sensors around the house and have them connected to ZyXEL’s smart gateway to enable automatic notifications delivered to your preferred devices including smart phones and to automatically turn off affected appliances for reduced damage at home.

**Home Security—Protect your Valuables**
Protect your valuables with digital recording as hard evidence. In combination with ZyXEL’s PTZ IP camera, a wide range of sensors can be deployed around the house to automatically trigger the cameras as suspicious actions are identified or detected. The sensors can also turn on designated appliances to let people think the owners are in the house.

**Save on Electric Bills with Automated Home**
Leaving lights, air conditioning and other appliances on can significantly increase your electricity expense. ZyXEL’s Z-wave Power Meters allows home appliances to turn off automatically when they are not in use or if you’re away from home. With schedules set up on the Smart Gateway, the appliances connected to a Z-wave Power Meter will shut off automatically during the owners’ working hours.
Products at a Glance

Home Surveillance/HAN Device

■ **SHG3505**
  
  **Easy Application-on-demand Services for Home Security, Living Comfort and Energy Efficiency**
  
  The ZyXEL SHG3505 Service Gateway support smart services for easy home service devices deployment. With a commerce-ready OSGi platform, the SHG3505 can offer application-on-demand services from service providers or system integrators. The service gateway also features a built-in Z-Wave coordinator for greater compatibility with multiple Z-Wave devices.

  **Key Features**
  
  ■ Service-layer gateway supporting smart home services for easy distribution
  ■ Commerce-ready OSGi platform for applications-on-demand services from providers
  ■ Z-Wave Coordinator for easy association with extend multiple Z-Wave devices
  ■ Ensure IP Camera video streaming transaction
  ■ Two USB 2.0 ports for future 3G, ZigBee or other functions

■ **CAM2215**
  
  **24/7 Home Safety—Day and Night**
  
  The ZyXEL CAM2215 network camera offers an advanced 340-degree panning and 100-degree tilting mechanical design for monitoring movements. It’s ideal for locations such as homes and shops that need live monitoring capability.

  **Key Features**
  
  ■ Pan/tilt with 10x digital zoom
  ■ Day/night monitoring functionality in all lighting conditions
  ■ Dual H.264, MJPEG or MPEG-4 video streams
  ■ 720P/HD resolution
  ■ Pre-recording for 10 seconds
  ■ Active Bandwidth Management
  ■ SMS & Email notifications
  ■ 2-way audio support
The Z-Wave compatible SHD1112 Motion Detector has been designed for home monitoring purpose to detect moving objects in a specific area through the fluctuation of infrared radiation levels. The SHD1112 has a flexible movement range of up to 170˚ rotation and up to 100˚ of detection angle plus a battery-powered design. The SHD1112 is easy to install for homes and alerts are triggered automatically to switch lights or sirens on to warn home users.

**Key Features**
- Compatible with Z-Wave enabled networks
- Easy installation for home monitoring setup
- Detects moving objects to trigger sirens or lights
- Battery-powered design

The Z-Wave compatible SHD1111 Door/Window Detector can detect the events occur near doors or windows. For example, in combination with the Z-Wave controller and switches, the SHD1111 can trigger sirens or lamps automatically when the door or windows are opened.

**Key Features**
- Compatible with Z-Wave enabled networks
- Easy installation for quick home security setup
- Detects any events near doors or windows and triggers sirens or lights
- Battery-powered design
**SHD1115**

The Z-Wave compatible SHD1115 Smoke Detector is easy to setup in house ceilings to sense smoke as an indicator of fire. When the Smoke Detector detects smoke of a certain density, the SHD1115 will emit 85 dB of internal signals to the associated Z-Wave devices such as sirens and Z-Wave Controllers simultaneously for further attention.

**Key Features**
- Compatible with Z-Wave enabled networks
- Easy installation for home monitoring setup
- Indication of alarm and battery operation
- Built-in 85 dB internal buzzer
- Battery-powered design

**SHD1116**

The Z-Wave compatible SHD1116 Flood Detector is designed to sense the presence of excessive water in basements, bathrooms and yards to provide early warning of leakage to protect your property from water damage. The SHD1116 consists of a transceiver, a water detector and a 3-meter water detector cable; the transceiver can be mounted on the wall while the water detector is placed at a location where water may present as a result of leakage or flooding.

The Flood Detector is powered by a set of three AA 1.5 V alkaline batteries. When battery level drops to a low level, the Flood Detector flashes red LED light every 30 seconds and reports the low battery status to the Z-Wave controller.

**Key Features**
- Compatible with Z-Wave enabled networks
- Alert as water starts to leak
- Indication of alarm and battery operation
- Battery-powered design
**SHD2210**

With the plug-and-play design, the Z-Wave compatible SHD2210 Dimmer provides on/off control and remote brightness adjustment. Service providers can deploy SHD2210 in combination with the ZyXEL service gateway and Z-Wave sensors to provide home users with holistic security services. The SHD2210 has also been designed as a repeater that relays RF signals to ensure the signals can be received by its intended destination.

**Key Features**

- Compatible with Z-Wave enabled networks
- Plug-and-play for easy installation
- Remote controllable to set lights brightness

**SHD2310**

The Z-Wave compatible SHD2310 Indoor Siren integrates siren and strobe functions to alarm home users when necessary. The Z-Wave certification also ensures the interoperability between SHD2310 and other Z-Wave devices. In addition to the built-in adjustable sound levels (90 dB and 100 dB), the SHD2310 provides a low battery indicator to keep the siren working continuously.

**Key Features**

- Compatible with Z-Wave enabled networks
- Temper switch prevents siren from being disabled
- LED and buzzer sound for status indication
- Adjustable sound volume
- Battery-powered design
SHD1110 Temperature/Humidity Detector

In combination of ZyXEL SHD1110 Temperature/Humidity detector and Z-Wave controllers and switch, service providers and system integrators can provide end users with a comfortable living environment. For example, in combination with a Z-Wave embedded thermostat, the SHD1110 can trigger the HVAC (Heating, Ventilation and Air Conditioner) system to provide appropriate heating or cooling to the area when the room temperature or humidity level reaches the pre-set trigger value on SHD1110.

With an easy-to-read LCD panel, the ZyXEL SHD1110 can show the room temperature and humidity; and it’s easy for users to set up trigger levels in just seconds.

**Key Features**
- Compatible with Z-Wave enabled network
- Trigger level setting for direct control of other home appliances through Z-Wave devices
- Easy-to-read panel displaying room temperature or humidity level
- Battery-powered design

SHD2110/SHD3110 Power On/Off Switch

With the plug-and-play design, the ZyXEL SHD2110/SHD3110 Power On/Off Switch can be triggered to turn the plugged-in electronic appliances on or off remotely. In combination with the ZyXEL SHD2110/SHD3110 sensors and power switch, service providers can offer home automation and energy management services to its users. Through the power switch, home appliances such as lamps and air conditioners can be powered on or off automatically for energy saving. The built-in power meter of SHD3110 can measure the power consumption rates of the connected home appliances for energy management.

**Key Features**
- Compatible with Z-Wave enabled networks
- Plug-and-play design for easy installation
- Remote power on/off of the attached electronic appliances via the Z-Wave controller
- Measure the power consumption level and transfer the data for energy management (SHD3110)