End-to-End Home Automation Solution

OBLO is RT-RK's turn-key home automation solution utilizing ZigBee, Z-Wave, BLE and WiFi RF technologies for integration of devices into a smart home network.
OBLO is used as a basis for several home automation aspects, regarding security, surveillance, and access control, for more comfort and more connectivity with smart home.

OBLO product portfolio offer:

- **Turnkey solutions:** for operators, equipment manufacturers and retail shops (set of our own **OBLO devices:** gateway, light dimmer, smart outlet, smart plug, remote controller, door/window sensor and more)
- **Technology licensing:**
  - Home Gateway integrates wide range of commercially available sensors and actuators controllable via Z-Wave and/or ZigBee, Bluetooth, WiFi protocols
  - Mobile apps for home control
  - Cloud services

OBLO Smart Home

Door/Window Sensor

Remote Controller

OBLO Gateway

Smart Plug

OBLO – Supported nodes

- Diversity of OBLO products and possibility to integrate existing ZigBee/Z-wave devices allows OBLO concept to be used widely in the home
- Hardware components
  - Smart dimmers/switches, Smart outlets/plugs
  - Sensors
    - Temperature, Door/Window, Motion,
    - Fire, Flood, Thermostat, IP Camera, IP Speakers
    - LED bulbs, Scene controllers …
  - Remote controllers

OBLO - Gateway

OBLO Gateway is a bridge between IP (LAN/WiFi) network and non-IP universes (ZigBee, Z-Wave, BLE). Allows interaction with client application (smart phones, tablets, STB, TV, PC, etc.) and management systems (Building, Energy)

FEATURES

- Interactive web interface for system configuration
- Network API for clients (e.g. mobile apps)
- Bidirectional communication with cloud
- Notification management
- Provide Local intelligence and scripting (scenarios)
- Discovery by UPnP (SSDP) support

OBLO – Client application

OBLO Mobile is a set of apps for handheld devices, smart phones, tablets, STBs and TVs
Manage all devices from one central place and having complete information of your devices at any time

FEATURES

- Intuitive and easy to operate user interface
- Device controlling with single touch
- System configuration in few steps
- Scenario creation and storage on OBLO gateway
- Remote home control via cloud

OBLO – Cloud service

- OBLO cloud is a full cloud solution for remote monitoring, diagnostics and control
- The major services are:
  - Subscriber management – subscriptions, paid features
  - Mirroring the device configuration and status into the cloud – replacement of faulty devices is easier
  - Remote control of devices – the clients can access the devices around the globe via cloud
  - Using the cloud as unlimited storage and processing power – store data consumption information in the cloud, events, logs; run analysis algorithms and propose smart control
  - Firmware/Software update pushed and controlled by the cloud - firmware update based on what features did the customer purchase
  - Notify alarm situations (e.g. detection of the movement in house)