– **Managing user accounts**

– **Monitoring of smart home devices**

– **Sending event notifications**

– **Creating smart home scenarios**

– **Integration with EVI**

– **Interaction with Yandex smart home**

– **Interaction with Sber smart home**
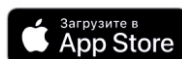
– **Interaction with VK smart home**

ELIS (Eltex IoT System) is a hardware-software solution for automatic control of   home systems and devices via Wi-Fi, Z-Wave and Zigbee.

Device management

Using ELIS along with Wi-Fi routers with a smart home hub allows creating a network of wireless devices that can be remotely controlled by the user.

The user manages ELIS using iOS or Android mobile device with the Eltex Home app installed. It can be downloaded from the App Store and Google Play or via the QR code below. The app is also available in Huawei AppGallery.

Interaction with the Yandex, Sber, VK smart home systems and voice control of devices using voice assistants is possible.

ELIS features

1. Receiving event notifications to a mobile device.

2. Working with the following services:

    – "Security" to keep the premises safe (detection of unauthorized access).

    – "Control" to ensure a comfortable environment (monitoring of temperature and humidity levels, detecting emergencies such as smoke or water leaks).

    – "Management" to control the operation of lighting and household appliances (automatic switching lights on when entering a room, flexible setting of lighting channels, switching appliances on and off, etc.).

    – "Video surveillance" to remotely monitor the room.

3. Creating scenarios for smart devices to work together. For maximum convenience, it is possible to set devices in the home to work in the desired mode, specifying conditions, sequence and time of required actions.
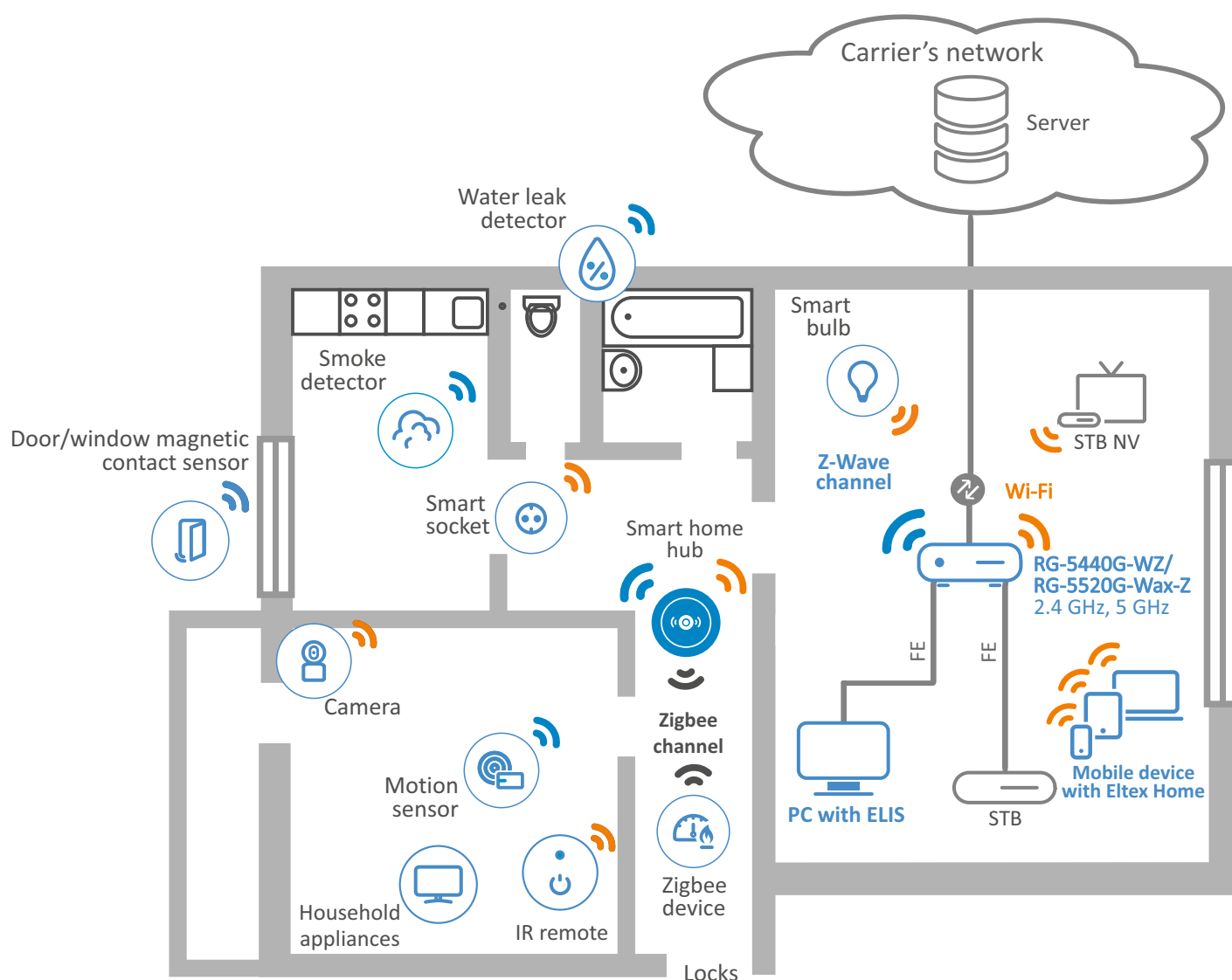
Eltex smart devices

– Ethernet (RG-5440G-WZ, RG-5520G-Wax-Z) and GPON (NTU-RG-5420G-WZ, NTU-RG-5440G-WZ, NTU-RG-5520G-Wax-Z) Wi-Fi routers with smart home hub;
– SH-10-WZ, SH-20-WBZ smart home hubs for connection of Z-Wave/Zigbee devices;
– SL-10-WBZ local smart home control center;
– HVC-102WE, SV-CA111-W Wi-Fi cameras;
– SW-IRC smart IR remote for household appliance management;
– "Security" service devices: SZ-MCT door/window magnetic contact sensor, SZ-PIR motion sensor;
– "Management" service devices: SW-RLY01/SW-RLY02 smart relay, SW-PLG01/SW-PLG02 smart socket;
– "Control" service devices: SZ-AIR-HT01 temperature and humidity sensor, SZ-SMK smoke detector, SZ-WLK water leak detector.
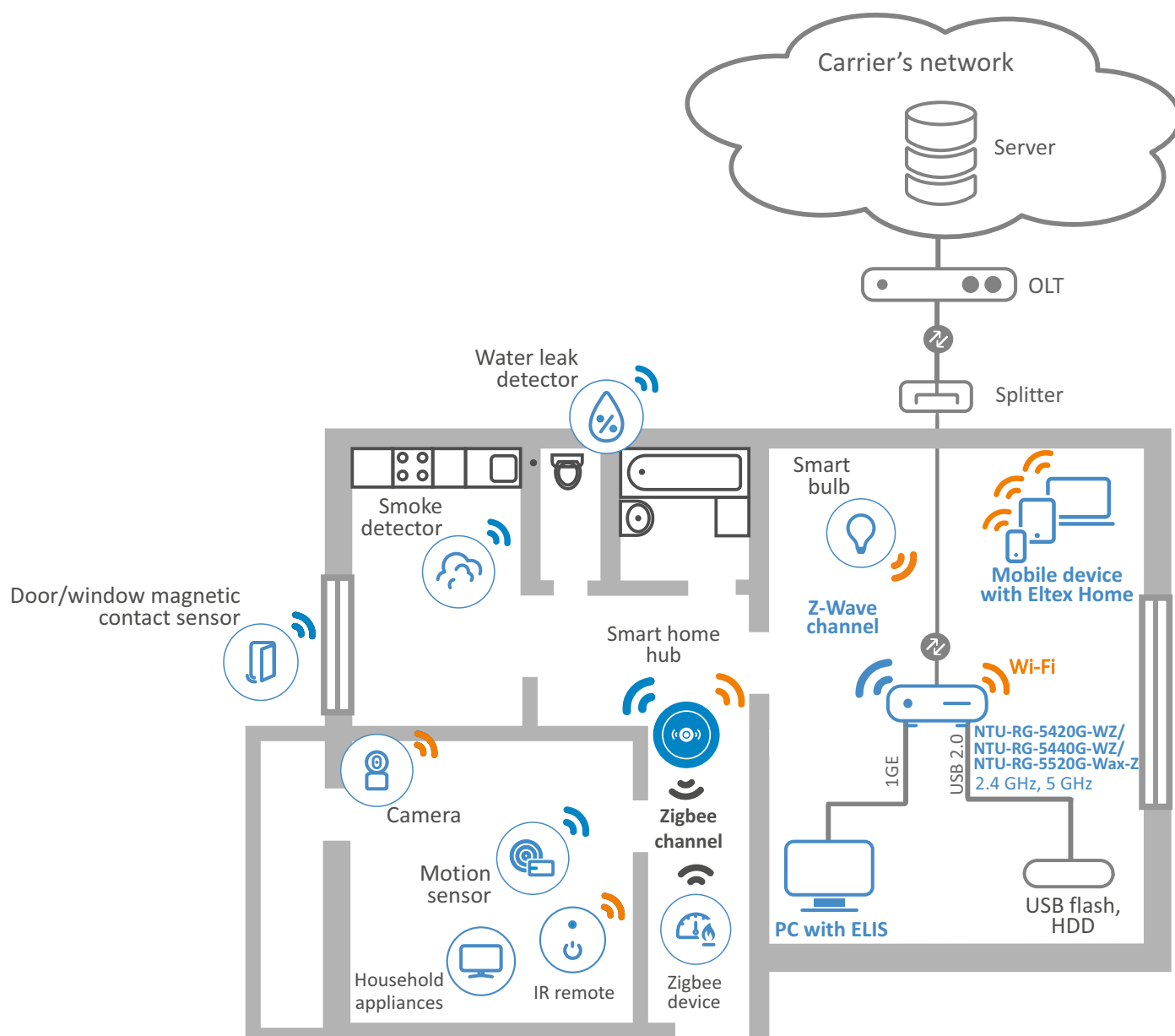
Integration

– Integration with devices from other vendors;
– Integration with EVI video surveillance platform;
– Integration with Yandex, Sber, VK.

Use case of ELIS operation with RG-5440G-WZ, RG-5520G-Wax-Z Wi-Fi routers

Use case of ELIS operation with NTU-RG-5420G-WZ, NTU-RG-5440G-WZ, NTU-RG-5520G-Wax-Z routers

Carrier's network

Server

OLT

Splitter

Water leak detector

Smoke detector

Smart bulb

Mobile device with Eltex Home

Door/window magnetic contact sensor

Smart home hub

Z-Wave channel

Wi-Fi

Camera

Zigbee channel

Motion sensor

Household appliances

IR remote

Zigbee device

1GE

USB 2.0

NTU-RG-5420G-WZ/
NTU-RG-5440G-WZ/
NTU-RG-5520G-Wax-Z
2.4 GHz, 5 GHz

PC with ELIS

USB flash, HDD

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Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.