ELTEX
Integrated Networking Solutions

– **Smart home devices integration**
– **Support for Z-Wave IoT protocol**
– **Wi-Fi IEEE 802.11b/g/n**
– **100 Mbps Ethernet port**
– **Compatible with routers from various vendors**

SH-10-WZ is an Eltex Home hub designed to ensure an integrated system for controlling, configuring and monitoring Eltex smart devices.

Device management

To monitor and control a smart home device network, connect the SH-10-WZ hub to your Wi-Fi router via wired or wireless connection. The user manages smart devices and sensors via the smart home hub 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.

GET IT ON Google Play

Download on the App Store

Eltex Home features

Using the SH-10-WZ hub together with the Eltex Home mobile app allows:

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

– SW-IRC smart IR remote for household appliance management.

– HVC-102-WE, SV-CA111-W, SV-CA104-W, SV-CA113-WE cameras.

– "Security" service devices: SZ-MCT[1] door/window magnetic contact sensor, SZ-PIR[1] motion sensor.

– "Management" service devices: SW-RLY01/SW-RLY02 smart relay, SW-PLG01/SW-PLG02[1] smart socket.

– "Control" service devices: SZ-AIR-HT01 temperature and humidity sensor, SZ-SMK smoke detector, SZ-WLK water leak detector.

Technical features

Hardware features

– RAM 128 MB

– ROM 32 MB

Interfaces

– 1 × 10/100BASE-T (RJ-45) Ethernet port

– Wi-Fi IEEE 802.11b/g/n 2.4 GHz

– Z-Wave 869 MHz

Wireless interface parameters

– Number of antennas: 2

– Type of antennas: built-in

– Support for Wi-Fi IEEE 802.11b/g/n

– Frequency range: 2400–2483.5 MHz

– MIMO: 2.4 GHz 2×2

– Modulation: DSSS, CCK, BPSK, QPSK, 16QAM, 64QAM

– Maximum power of the transmitter**:**
  - CCK11: 20 dBm
  - OFDM54: 19 dBm
  - MCS7: 18 dBm

– Receiver sensitivity:
  - MCS0: up to -98 dBm
  - MCS7: up to -74 dBm

Z-Wave module parameters

– Number of antennas: 1

– Type of antennas: built-in

– Operating frequency: 869 MHz

– Maximum power of the transmitter: 14 dBm

– Receiver sensitivity: up to -104 dBm
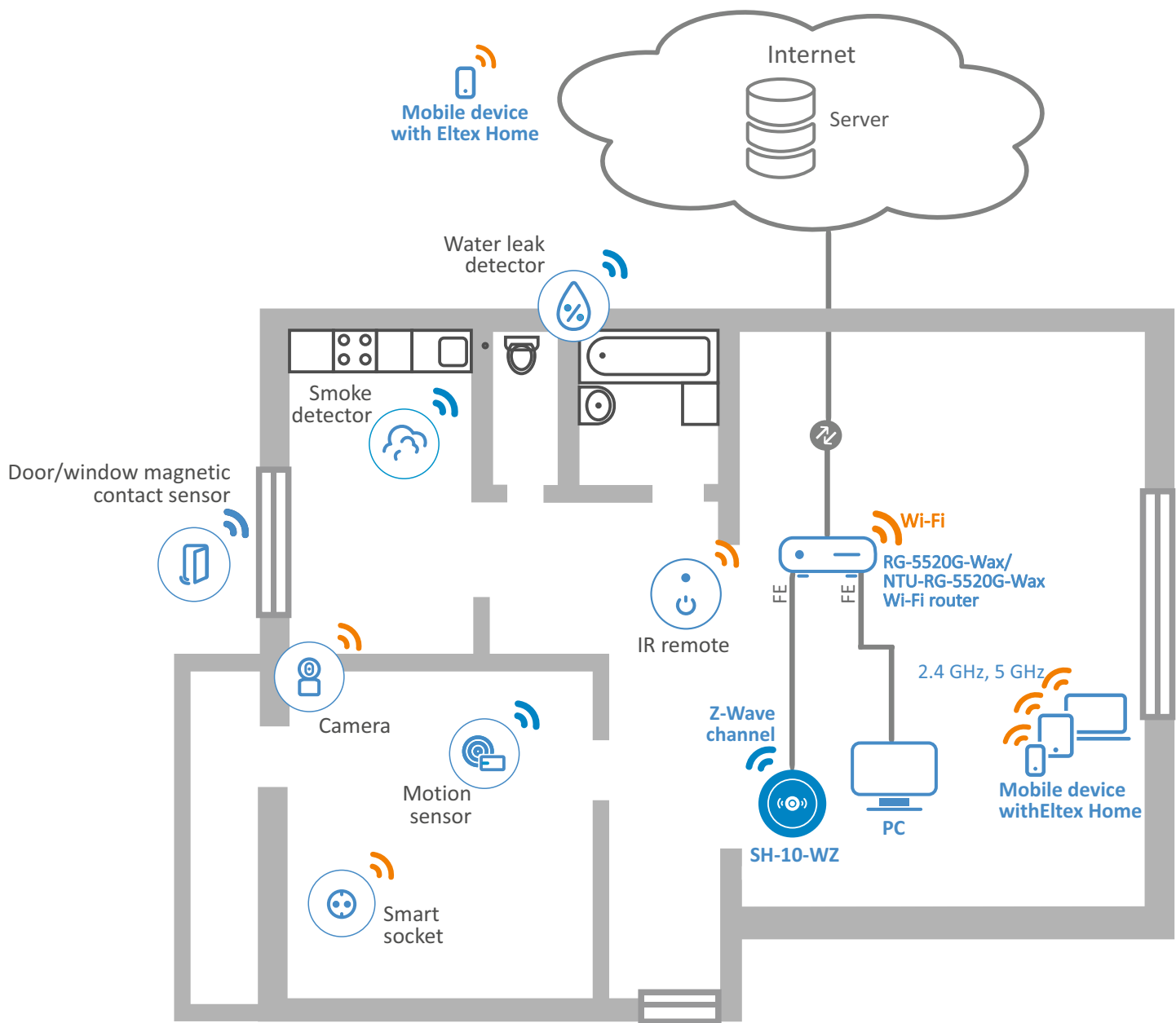
Main network features

– DHCP Server

– DHCP Client
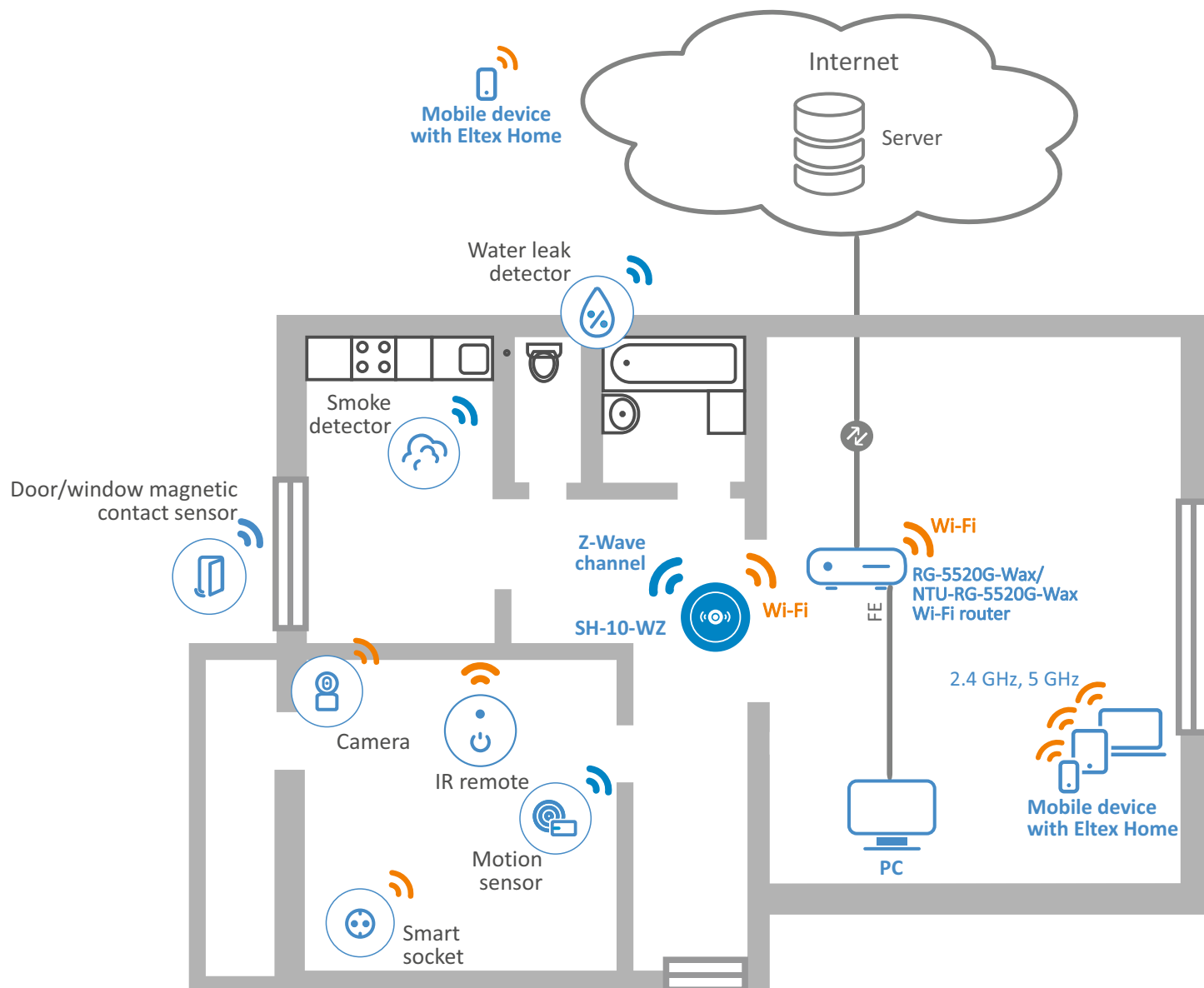
– Static IP

– NTP

– SSH

Physical parameters

– Power supply: external adapter 5.3 V DC, 2 A

– Power consumption: no more than 5 W

– Operating temperature: from +5 to +40 °C

– Relative humidity at 25 °C: up to 80 %

– Dimensions (Diameter × Height): 100 × 23 mm

– Weight: 0.087 kg

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[1] Sensors of certain series are required, please contact Eltex sales department for details.

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Wired connection use case for SH-10-WZ

Internet

Server

Mobile device with Eltex Home

Water leak detector

Smoke detector

Door/window magnetic contact sensor

Wi-Fi

RG-5520G-Wax/ NTU-RG-5520G-Wax Wi-Fi router

FE   FE

IR remote

2.4 GHz, 5 GHz

Camera

Motion sensor

Z-Wave channel

Mobile device withEltex Home

PC

Smart socket

SH-10-WZ

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Wi-Fi

RG-5520G-Wax/ NTU-RG-5520G-Wax Wi-Fi router

FE

2.4 GHz, 5 GHz

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Camera

IR remote

Motion sensor

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PC

About Eltex

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.