

- Built-in IR remote
- Smart home device integration
- Support for Wi-Fi, Z-Wave, Zigbee, Matter over Wi-Fi, Matter over Thread
- Wi-Fi IEEE 802.11a/b/g/n/ac
- 100 Mbps Ethernet port



**SH-130** is an Eltex Home hub that enables control of household appliances via built-in IR remote. The device is designed to provide a unified system for managing, configuring, and monitoring Eltex smart devices. The hub supports Wi-Fi, Z-Wave, Zigbee, Matter over Wi-Fi, Matter over Thread protocols.

### Device management

To monitor and control a smart home device network, connect the SH-130 hub to your Wi-Fi router via wired or wireless connection.

Any mobile device running iOS or Android with the Eltex Home app installed can serve as the universal control remote for the SH-130. The app can be downloaded from the App Store and Google Play or via the QR code below. The app is also available in RuStore and Huawei AppGallery.



### Eltex Home features

Using the SH-130 hub together with the Eltex Home 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 temperature and humidity levels, detecting emergencies 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.).
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-IRC01 IR remote for household appliance management.
- SW-LSC11 LED strip driver.
- “Security” service devices: SZ-MCT<sup>1</sup> and ST-MCT magnetic contact door/window sensor, SZ-PIR<sup>1</sup> motion sensor, HVC-102WE, SV-BA101-E, SV-CA104-W, SV-CA111-W, SV-CA113-WE cameras.
- “Management” service devices: SW-RLY01/SW-RLY02/SW-RLY11 smart relay, SW-PLG01/SW-PLG02/SW-PLG12 smart socket, SZ-SBR and ST-SBR smart switches.
- “Control” service devices: SZ-AIR-HT01 temperature and humidity sensors, SZ-SMK smoke detectors, SZ-WLK<sup>1</sup> water leak detectors.

## Technical features

### Hardware features

- RAM 1 GB

### Interfaces

- 1 × LAN 10/100/BASE-T (RJ-45)
- 2 × USB 2.0
- Wi-Fi
  - IEEE 802.11b/g/n/ax, 2.4 GHz
  - IEEE 802.11a/n/ac/ax, 5 GHz
- Z-Wave 869 MHz
- Zigbee
  - IEEE 802.15.4, 2.4 GHz
- Thread 2.4 GHz
- Bluetooth 5.4 2.4 GHz
- Built-in IR remote

### 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, 5150–5350 MHz, 5470–5850 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
- Frequency range: 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

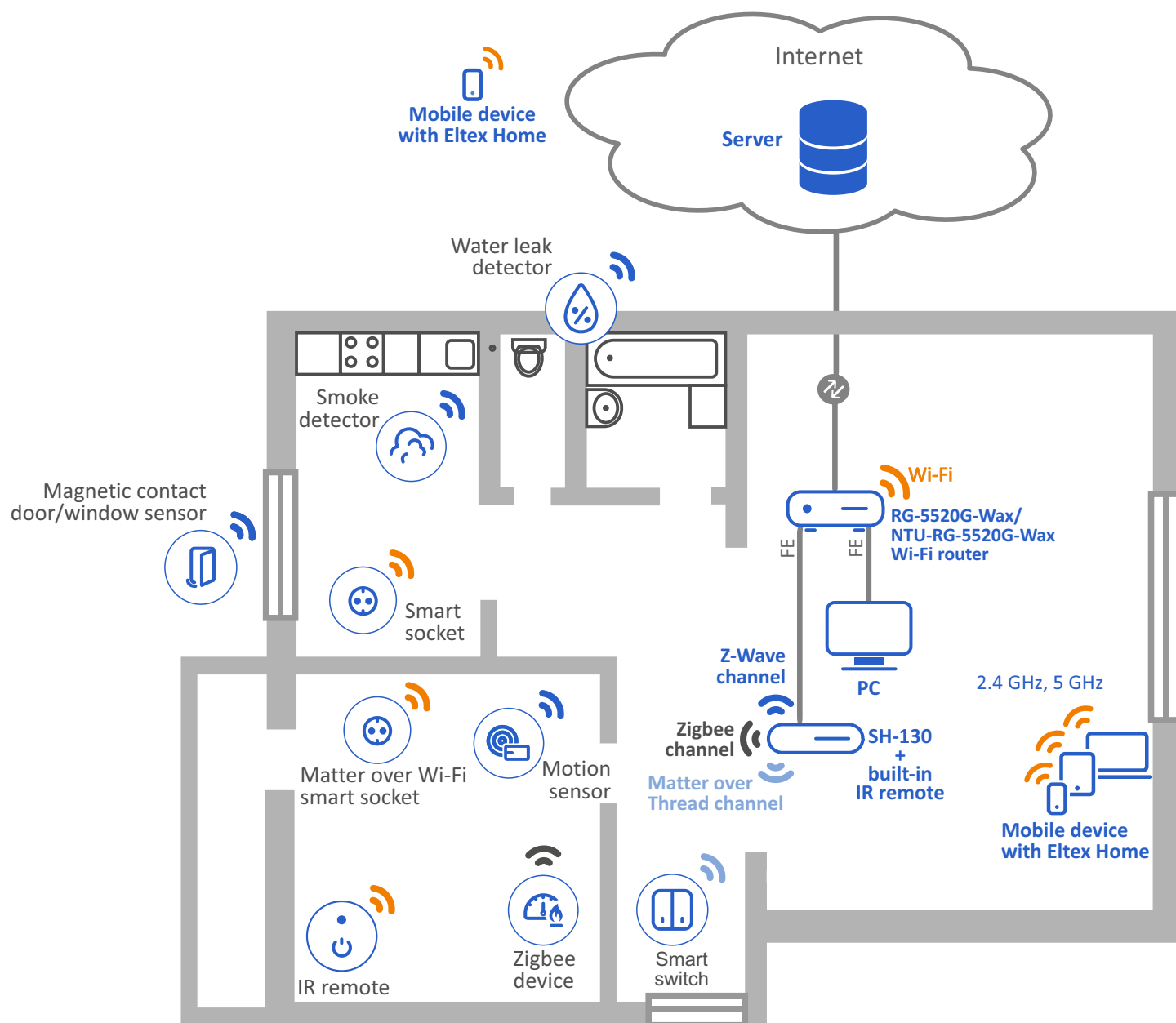
- Peak power: 17 W
- USB port load capacity: 1 × 0.6 A; 1 × 1.2 A
- IR remote operating range: up to 12 m (transmission)
- Operating temperature: from 0 to +40 °C
- Dimensions (W × H × D): 128 × 119 × 28 mm
- Weight: 153.5 g
- Service life: no less than 5 years

### Power supply

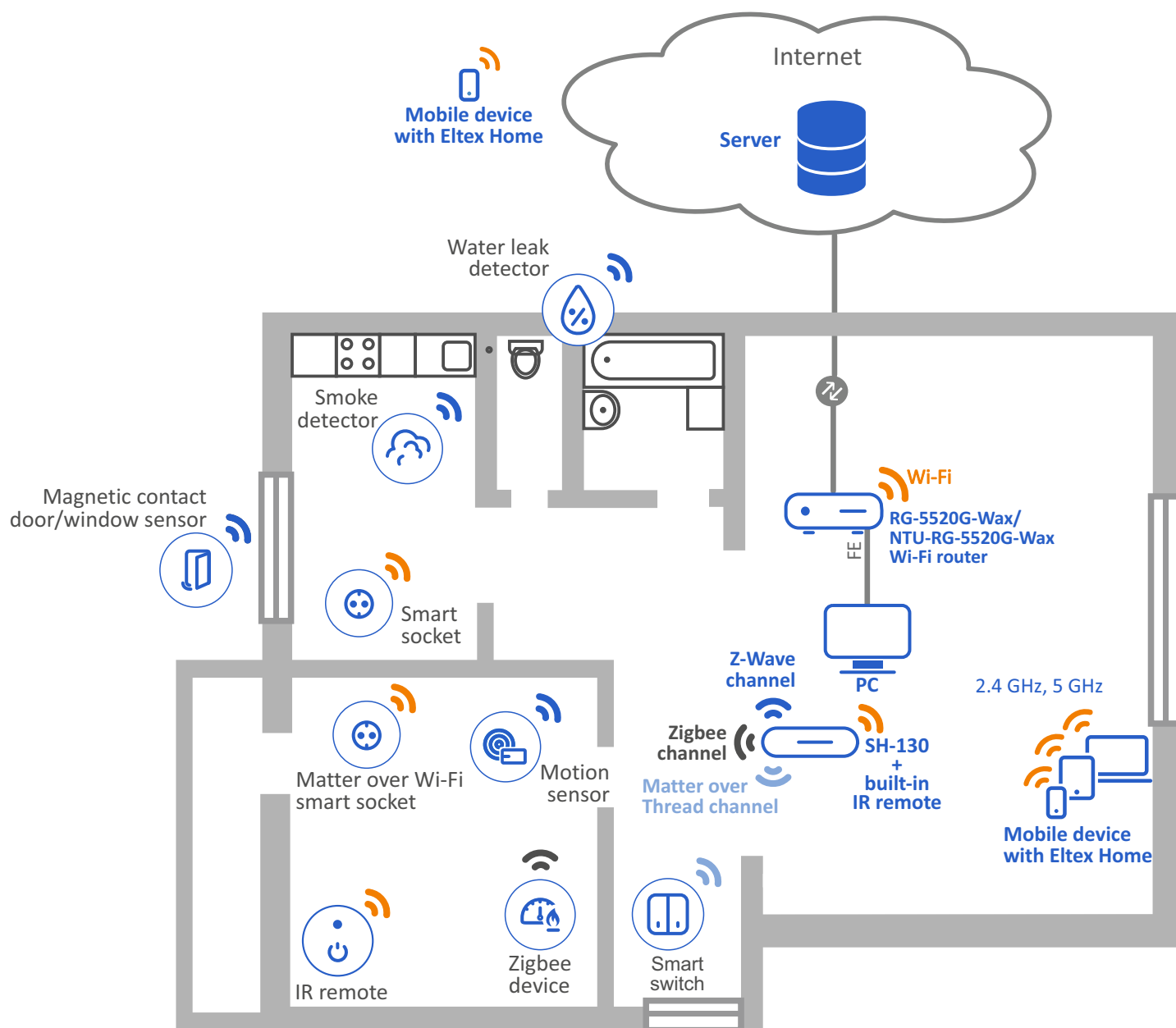
- Power adapter: 12 V, 2 A
- Supercapacitor for RTC

<sup>1</sup> Sensors of certain series are required, please contact Eltex sales department for details.

Wired connection use case for SH-130



Wireless connection use case for SH-130



## Ordering information

| Name                    | Description                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SH-130</b>           | SH-130 smart home hub                                                                                                                                                    |
| <b>Related products</b> |                                                                                                                                                                          |
| <b>RG-5440G-Wac</b>     | RG-5440G-Wac Wi-Fi router: 1 × WAN 10/100/1000BASE-T, 4 × LAN 10/100/1000BASE-T, 1 × USB, Wi-Fi (802.11n, 2×2 – 300 Mbps – 2.4 GHz + 802.11ac, 4×4 – 1733 Mbps – 5 GHz)  |
| <b>RG-5520G-Wax</b>     | RG-5520G-Wax Wi-Fi router: 1 × WAN 10/100/2500BASE-T, 4 × LAN 10/100/1000BASE-T, 1 × USB, Wi-Fi (802.11ax, 2×2 – 574 Mbps – 2.4 GHz + 802.11ax, 2×2 – 1201 Mbps – 5 GHz) |
| <b>NTU-RG-5420G-Wac</b> | NTU-RG-5420G-Wac subscriber terminal: 1 × PON, 4 × LAN 10/100/1000BASE-T, 1 × USB, Wi-Fi (802.11n, 2×2 – 300 Mbps – 2.4 GHz + 802.11ac, 2×2 – 867 Mbps – 5 GHz)          |
| <b>NTU-RG-5440G-Wac</b> | NTU-RG-5440G-Wac subscriber terminal: 1 × PON, 4 × LAN 10/100/1000BASE-T, 1 × USB, Wi-Fi (802.11n, 2×2 – 300 Mbps – 2.4 GHz + 802.11ac, 4×4 – 1733 Mbps – 5 GHz)         |
| <b>NTU-RG-5520G-Wax</b> | NTU-RG-5520G-Wax subscriber terminal: 1 × GPON, 4 × LAN 10/100/1000BASE-T, 1 × USB 3.0, Wi-Fi (802.11ax, 2×2 – 574 Mbps – 2.4 GHz + 802.11ax, 2×2 – 1201 Mbps – 5 GHz)   |
| <b>HVC-102WE</b>        | HVC-102WE Wi-Fi camera                                                                                                                                                   |
| <b>SV-BA101-E</b>       | SV-BA101-E IP camera                                                                                                                                                     |
| <b>SV-CA104-W</b>       | SV-CA104-W Wi-Fi camera                                                                                                                                                  |
| <b>SV-CA111-W</b>       | SV-CA111-W Wi-Fi camera                                                                                                                                                  |
| <b>SV-CA113-WE</b>      | SV-CA113-WE Wi-Fi camera                                                                                                                                                 |
| <b>SW-IRC01</b>         | SW-IRC01 IR remote control, IEEE 802.11b/g/n 2.4 GHz                                                                                                                     |
| <b>SW-LSC11</b>         | Matter over SW-LSC11 Wi-Fi LED strip driver, IEEE 802.11b/g/n 2.4 GHz, IEEE 802.11n 5 GHz                                                                                |
| <b>SW-PLG01</b>         | SW-PLG01 Wi-Fi smart socket, IEEE 802.11b/g/n 2.4 GHz                                                                                                                    |
| <b>SW-PLG02</b>         | SW-PLG02 Wi-Fi smart socket, IEEE 802.11b/g/n 2.4 GHz                                                                                                                    |
| <b>SW-PLG12</b>         | Matter over SW-PLG12 Wi-Fi smart socket, IEEE 802.11b/g/n 2.4 GHz                                                                                                        |
| <b>SW-RLY01</b>         | SW-RLY01 Wi-Fi smart relay (no neutral wire), IEEE 802.11b/g/n 2.4 GHz, 2 controlled channels                                                                            |
| <b>SW-RLY02</b>         | SW-RLY02 Wi-Fi smart relay (with neutral wire), IEEE 802.11b/g/n 2.4 GHz, 2 controlled channels                                                                          |
| <b>SW-RLY11</b>         | Matter over SW-RLY11 Wi-Fi smart relay (no neutral wire), IEEE 802.11b/g/n 2.4 GHz, 2 controlled channels                                                                |
| <b>SW-RLY12</b>         | Matter over SW-RLY12 Wi-Fi smart relay (with neutral wire), IEEE 802.11b/g/n 2.4 GHz, IEEE 802.11n 5 GHz, 2 controlled channels                                          |

## Ordering information

| Name                     | Description                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| Related products         |                                                                                                                   |
| <b>SZ-AIR-HT01 rev.D</b> | Eltex Z-Wave SZ-AIR-HT01 rev.D temperature and humidity sensor                                                    |
| <b>ST-MCT</b>            | Matter over Thread ST-MCT magnetic contact door/window sensor                                                     |
| <b>SZ-MCT rev.C</b>      | SZ-MCT rev.C magnetic contact door/window sensor in an Eltex Z-Wave FLiRS housing                                 |
| <b>SZ-MCT rev.C1</b>     | SZ-MCT rev.C1 magnetic contact door/window sensor in an Eltex Z-Wave FLiRS housing without external reed switches |
| <b>SZ-MCT rev.D</b>      | SZ-MCT rev.D magnetic contact door/window sensor in an Eltex Z-Wave FLiRS housing                                 |
| <b>SZ-MCT rev.D1</b>     | SZ-MCT rev.D1 magnetic contact door/window sensor in an Eltex Z-Wave FLiRS housing without external reed switches |
| <b>SZ-PIR rev.C</b>      | SZ-PIR rev.C motion sensor in an Eltex Z-Wave FLiRS housing                                                       |
| <b>SZ-PIR rev.D</b>      | SZ-PIR rev.D motion sensor in an Eltex Z-Wave FLiRS housing                                                       |
| <b>ST-SBR</b>            | Matter over Thread ST-SBR two-gang wireless switch                                                                |
| <b>SZ-SBR</b>            | SZ-SBR two-gang wireless switch in an Eltex Z-Wave FLiRS housing                                                  |
| <b>ST-SMK</b>            | Matter over Thread ST-SMK smoke detector                                                                          |
| <b>SZ-SMK</b>            | SZ-SMK smoke detector in an Eltex Z-Wave housing                                                                  |
| <b>SZ-WLK rev.B</b>      | SZ-WLK rev.B water leak detector in an Eltex Z-Wave housing                                                       |
| <b>SZ-WLK rev.D</b>      | SZ-WLK rev.D water leak detector in an Eltex Z-Wave housing                                                       |
| Licenses                 |                                                                                                                   |
| <b>Eltex ELIS-1</b>      | Eltex ELIS option, package for 1 device, 1 year                                                                   |
| <b>Eltex ELIS-100</b>    | Eltex ELIS option, package for 100 device, 1 year                                                                 |
| <b>Eltex ELIS-500</b>    | Eltex ELIS option, package for 500 device, 1 year                                                                 |
| <b>Eltex ELIS-1000</b>   | Eltex ELIS option, package for 1000 device, 1 year                                                                |
| <b>Eltex ELIS-1500</b>   | Eltex ELIS option, package for 1500 device, 1 year                                                                |

## Contact us

## About Eltex



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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.