

- Dual core 1.15 GHz processor
- WAN Ethernet port 2.5 Gbps
- LAN Ethernet port 1 Gbps
- Dual Band Wi-Fi with speeds up to 1774.5 Mbps
- 2x2 MU MIMO
- TR-069
- Guest Wi-Fi (Multi-SSID)
- Customization
- AX1800 Wi-Fi class
- Wi-Fi a/b/g/n/ac/ax



**RG-5520G-Wax** — dual band Wi-Fi router with a GbE LAN port and a 2.5 GbE WAN port with a high-performance dual core processor. The device supports the 802.11ax standard which simultaneously works with two streams delivering rates of up to 1.201 Gbps on the 5 GHz band. The MU MIMO technology makes the device a universal solution for enterprise networking.

#### Simplified administration

Centralized configuration uploading, intelligent update of firmware and collection of data on the subscriber devices status are implemented in the ELTEX.ACS system based on the TR-069 protocol. The system provides simplicity of ELTEX CPE management and decreases operating expenses (OPEX) for network maintenance.

#### Customization

The following means of customization are available: case color changing, logo placement, package extension and other options on request.

#### Interface configuration

##### Interfaces

Interfaces	
WAN	1 × 2.5G
LAN	4 × 1G
USB	1 × USB 2.0
Wi-Fi	a/b/g/n/ac/ax

## Features and capabilities

### Main technical parameters

- RAM 256 MB
- Flash 128 MB

### Interfaces

- 1 × WAN 10/100/1000/2500BASE-T (RJ-45)
- 4 × LAN 10/100/1000BASE-T (RJ-45)
- Wi-Fi 2.4 GHz b/g/n/ax
- Wi-Fi 5 GHz a/n/ac/ax
- 1 × USB 2.0

### Network features

- Support for MultiWAN
- Bridge mode operation
- DHCP server on the LAN side
- Multiservice model: separate network parameters configuration per service: Internet, TR-069
- IPv4, IPv6

### Connection types

- Static IP address
- DHCP
- PPPoE

### Wireless interface parameters

- WPA/WPA2/WPA3 encryption standards
- Frequency range:
  - 2402–2482 MHz
  - 5170–5330 MHz
  - 5650–5835 MHz
- MIMO:
  - 2.4 GHz: 2×2 MU MIMO
  - 5 GHz: 2×2 MU MIMO
- Maximum power of the transmitter:
  - 2.4 GHz: 21 dBm
  - 5 GHz: 22 dBm
- Antenna gain:
  - 2.4 GHz: 2×3 dBi
  - 5 GHz: 2×4 dBi
- Receiver sensitivity:
  - 2.4 GHz: up to -94 dBm
  - 5 GHz: up to -95 dBm
- Data rate:
  - 2.4 GHz: up to 573.5 Mbps (HE40\_MCS11)
  - 5 GHz: up to 1201 Mbps (HE80\_MCS11)

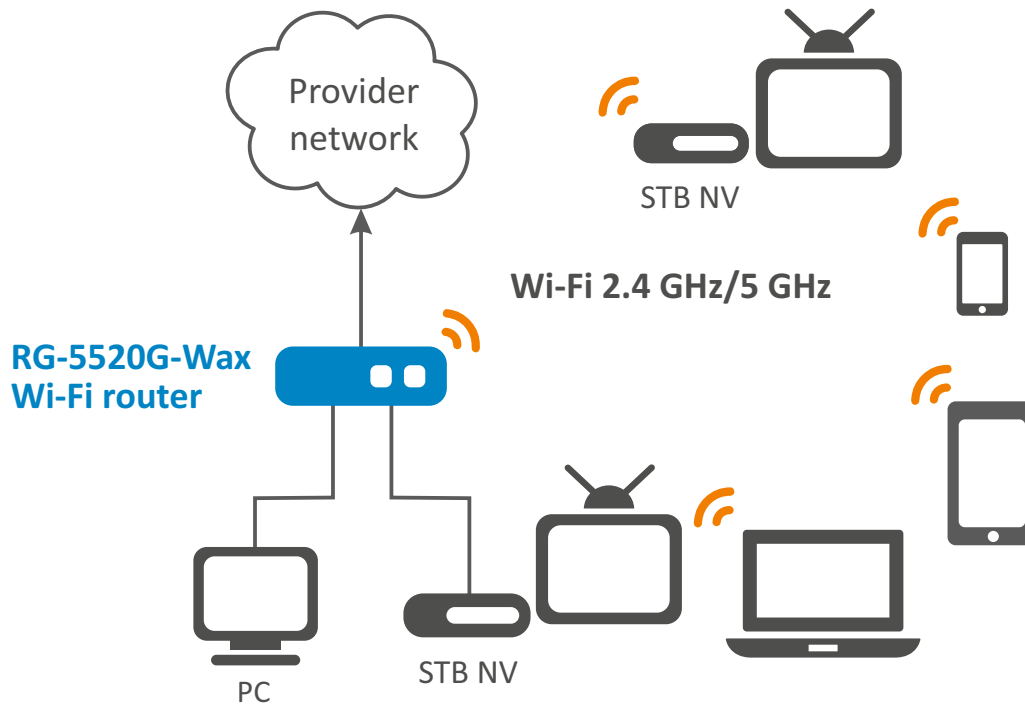
### Management and diagnostics

- Web interface
- TR-069

### Physical specifications

- Power supply via 12 V DC, 2 A
- Maximum power consumption — 16 W
- Operating temperature range: from +5 to +40 °C
- Relative humidity at 25 °C: up to 80 %
- Dimensions (W × H × D): 234 × 36 × 135 mm
- Weight: 0.355 kg

Use case




Ordering information

Name	Description
RG-5520G-Wax	RG-5520G-Wax Wi-Fi router: 1 × WAN, 4 × LAN, 1 × USB, Wi-Fi 802.11a/b/g/n/ac/ax
	<b>Related products</b>
RR-10	Wireless signal repeater
RR-11	Wireless signal repeater
	<b>Related software</b>
ACS-CPE	ACS-CPE option of ELTEX.ACS system for ELTEX CPE autoconfiguration: 256/512/1024 subscriber devices

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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.