

- High performance
- Dual Band Wi-Fi 802.11a/b/g/n/ac
- Support for 3G/4G modems
- TR-069
- 4 ports of LAN Gigabit Ethernet
- Customization
- USB device access via FTP/Web
- Guest Wi-Fi (Multi-SSID)
- Wi-Fi EasyMesh
- Smart home*



RG-5440G-WZ/RG-5440G-Wac

Single access point

RG-5440G-WZ/RG-5440G-Wac routers are access points to modern interactive services through wired and wireless data transport networks.

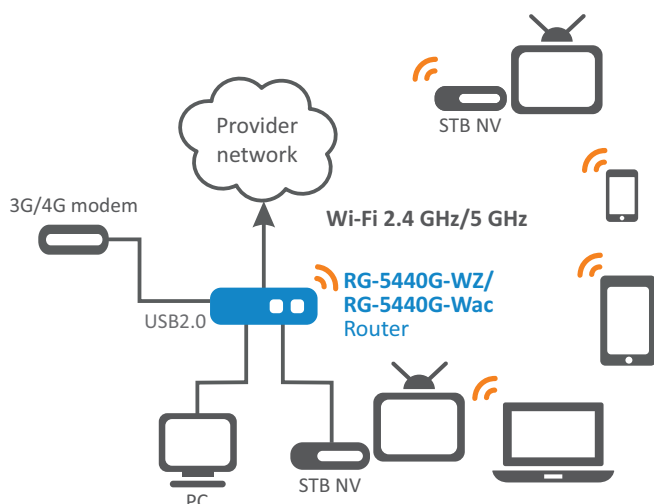
IPTV transmission through Wi-Fi at 5 GHz frequency

Devices provide advanced functionality for stable IPTV delivery through wireless network: smooth and uninterrupted video playback is provided by special software functionality. The router allows operation at 2.4 and 5 GHz frequencies and also provides simultaneous video streams broadcast and data transmission.

Customization

The following means of customization are available: case color changing, logo placement, expansion of complete set and other options by additional requests.

RG-5440G-WZ/RG-5440G-Wac application diagram



«Smart home» controller*

RG-5440G-WZ includes «Smart home» controller, supporting the operation with sensors and devices by Z-Wave radio channel.

Advantages of EasyMesh topology

- Network intelligence: a self-organizing and self-optimizing networks collects information and responds to network conditions for maximum performance.
- Efficient load balancing: allows devices to switch to a better connection and avoid interference.
- Scalability: allows adding multi-vendor Wi-Fi EasyMesh access points.

Simplified administration

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

RG-5440G-WZ/RG-5440G-Wac interface configuration

	RG-5440G-WZ	RG-5440G-Wac
WAN	1x1G	1x1G
LAN	4x1G	4x1G
USB	1xUSB 2.0	1xUSB 2.0
Wi-Fi	a/b/g/n/ac/k/v	a/b/g/n/ac/k/v
«Smart home» management controller	yes	no

Features and capabilities

Main technical parameters

- WiFi:
 - RTL8192FR (2.4 GHz)
 - RTL8814BR (5 GHz)
- RAM 256 MB
- Flash 128 MB
- OS Linux 4.4

Interfaces

- 1 port of WAN 10/100/1000 (RJ-45)
- 4 port of LAN 10/100/1000 (RJ-45)
- Wi-Fi 2.4 GHz b/g/n and 5 GHz a/n/ac
- 1 x USB 2.0
- «Smart home» interface — radio interface for «Smart home» system management*

* For RG-5440G-WZ only

Features and capabilities

Network features

- Support for MultiWAN
- Quality of Service (QoS)
- NAT
- Port forwarding
- Router/bridge mode operation
- DHCP server on the LAN side
- Firewall
- Static and dynamic routing
- Support for Dynamic DNS
- Multiservice model: separate network parameters configuration per service: Internet, VoIP, IPTV
- Support for UPnP
- Support for IGMP
- Time synchronization via NTP
- Restriction of the access to the device via WAN and LAN
- Telnet
- IPv4, IPv6

Connection types

- Static IP address
- DHCP
- PPPoE
- L2TP
- PPTP

Wireless interface parameters

- Support for EasyMesh
- WPA/WPA2/WPA3 encryption standards
- Support for WPA Enterprise
- Support for WMM
- Support for WPS
- Wireless Multicast Forwarding
- Wi-Fi IEEE 802.11a/b/g/n/ac/k/v
- Frequency range:
 - 2412-2472 MHz
 - 5180-5320 MHz
 - 5660-5825 MHz

- MIMO:
 - 2.4 GHz 2x2
 - 5 GHz 4x4

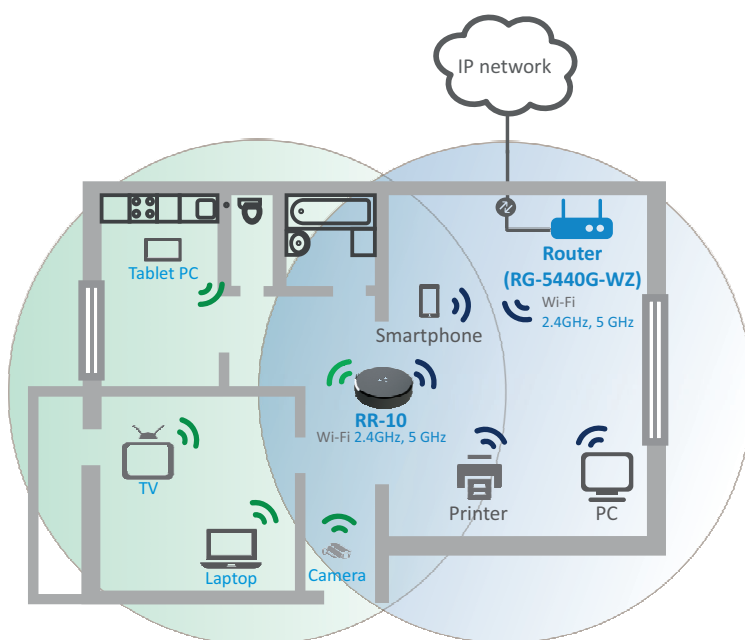
Management and diagnostics

- Web interface
- TR-069





Physical specifications

- Power supply via 12 VDC, 2A power adapter
- Maximum power consumption — 16 W
- Operating temperature range: +5 to +40°C
- Relative humidity at 25°C: up to 80%
- Dimensions (W x H x D): 234 x 36 x 135 mm
- Weight: 0.456 kg

Wi-Fi EasyMesh solution scheme



Ordering information

Name	Description	Image
RG-5440G-WZ	RG-5440G-WZ subscriber router: 1xWAN, 4xLAN, 1xUSB, Wi-Fi 802.11a/b/g/n/ac/k/v, «Smart home» management controller	
RG-5440G-Wac	RG-5440G-Wac subscriber router: 1xWAN, 4xLAN, 1xUSB, Wi-Fi 802.11a/b/g/n/ac/k/v	
Related products		
RR-10	Wireless signal repeater	
Related software		
ACS-CPE	ACS-CPE option of Eltex.ACS system for Eltex CPE autoconfiguration: 256/512/1024 subscriber devices	

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About Eltex

Eltex company is a leading Russian developer and manufacturer of telecommunication equipment with 25 years of history. Integrity of solutions and seamless integration capability into Customer infrastructure is a priority area of company development.