

- High performance
- Dual Band Wi-Fi 802.11a/b/g/n/ac
- TR-069
- 4 LAN Fast Ethernet ports
- Customization
- USB device access via SMB/FTP/DLNA
- Guest Wi-Fi
- WISP



Single access point

RG-31/35 – access point to modern interactive services through wired and wireless data transport networks.

IPTV transmission through Wi-Fi at 5 GHz frequency

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

Simplified administration

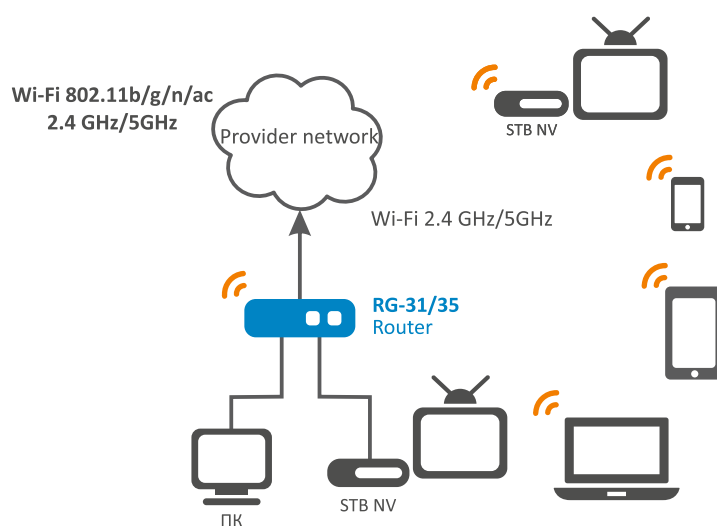
Centralized configuration loading, intelligent update of software and data collection on subscriber devices are realized in TR-069-based Eltex.ACS system. This system provides simplicity of Eltex CPE management and decreases operating expenses (OPEX) for network maintenance.

Customization

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

“Smart home” controller*

The device includes “Smart home” controller, supporting the operation with sensor and devices by Z-Wave radio channel.



RG-31/35 Application diagram

Interfaces configuration

	RG-31-Wac	RG-35-Wac	RG-35-WZ
WAN	1x100M	1x1G	1x1G
LAN	4x100M	4x100M	4x100M
“Smart home” controller	no	no	yes
USB	1xUSB 2.0	1xUSB2.0	1xUSB2.0
Wi-Fi	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac

*“Smart home” controller is available only in RG-35-WZ

Features and capabilities

Main technical features

- Realtek processor 1 GHz
- RAM 128 MB
- Flash 16 MB (RG-35-WZ, 32 MB)
- OC Linux

Interfaces

- 1 WAN 10/100/1000Base-T port (RJ-45)
- 4 LAN 10/100Base-T ports (RJ-45)
- 1 USB 2.0 port
- Wi-Fi IEEE 802.11b/g/n 2.4 GHz and 802.11a/ac 5 GHz

Connection types

- Static IP address
- DHCP
- PPPoE
- PPTP
- L2TP
- Wi-Fi ISP

Network features

- NAT
- Port forwarding
- Router/bridge mode operation
- DHCP server on the LAN side
- Firewall
- Static and dynamic routing
- Dynamic DNS
- Local DNS
- Multiservice model: separate network settings configuration per service: Internet, VoIP, IPTV*
- UPnP
- IGMP
- Time synchronization via NTP

- Limited access to the device through WAN and LAN
- Telnet
- IPv4, IPv6

Wireless interface

- WPA/WPA2 encryption standards
- WPA Enterprise
- WMM
- Extended parameter list of Wi-Fi interface configuration
- Wireless Multicast Forwarding
- Wi-Fi IEEE 802.11a/b/g/n/ac
- Frequency coverage: 2412-2472 MHz, 5180-5320 MHz, 5660-5805 MHz
- MIMO:
 - 2.4 GHz 2x2
 - 5 GHz 2x2
- Egress power:
 - 2.4 GHz (802.11b/g/n): up to 15 dBm
 - 5 GHz (802.11a/ac): up to 17 dBm
- Receiver sensitivity
 - 2.4 GHz
 - MCS0: -90 dBm
 - MCS4: -79 dBm
 - MCS7: -72 dBm
 - 5 GHz
 - MCS0: -92 dBm
 - MCS4: -82 dB
 - MCS7: -76 dBm

Management and diagnostic

- WEB (Russian language interface), HTTP/HTTPS*
- TR-069 (Eltex.ACS is recommended)

* *Optionally*

Name	Description	Image
RG-31-Wac	RG-31-Wac subscriber router: 1xWAN,4xLAN, 1xUSB, Wi-Fi 802.11a/b/g/n/ac	
RG-35-Wac	RG-35-Wac subscriber router: 1xWAN,4xLAN, 1xUSB, Wi-Fi 802.11a/b/g/n/ac	
RG-35-WZ	RG-35-WZ subscriber router: 1xWAN,4xLAN, 1xUSB, Wi-Fi 802.11a/b/g/n/ac, "Smart home" controller	

Related software

ACS-CPE-256	ACS-CPE-256 option of Eltex.ACS system for Eltex CPE autoconfiguration: 256 subscriber devices	
ACS-CPE-512	ACS-CPE-512 option of Eltex.ACS system for Eltex CPE autoconfiguration: 512 subscriber devices	
ACS-CPE-1024	ACS-CPE-1024 option of Eltex.ACS system for Eltex CPE autoconfiguration: 1024 subscriber devices	

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About EltexAlatau

EltexAlatau company is one of the first communication equipment manufacturers in Kazakhstan established in 2012. The main focus of the enterprise is a set of solutions and the opportunity of their seamless connection to the customer's infrastructure.