

- 802.11a/n/ac (5G Wi-Fi)
- MIMO 2x2
- Power of the transmitter 24 dBm
- Integrated antenna 12 dBi
- PoE injector 24V
- Reset button on the injector

**WB-2P-LR5** - a high-performance wireless user station designed for up-to-date high speed service provision via Wi-Fi technology.

### Wireless connection

WB-2P-LR5 is developed for connection to Wi-Fi access network which might be constructed using base stations within long distances.

### Easy management via ACS

Eltex.ACS autoconfiguration system based on TR-069 protocol provides service providers with convenient functionality for management of firmwares and user stations' configuration. Eltex.ACS loads an individual configuration to the device automatically according to the subscriber account data. The intellectual update of the firmware operates with devices on a network in a row, updating a group of devices according to the set queue. Eltex.ACS system includes NorthBoundInterface (NBI) for interfacing with OSS complexes.



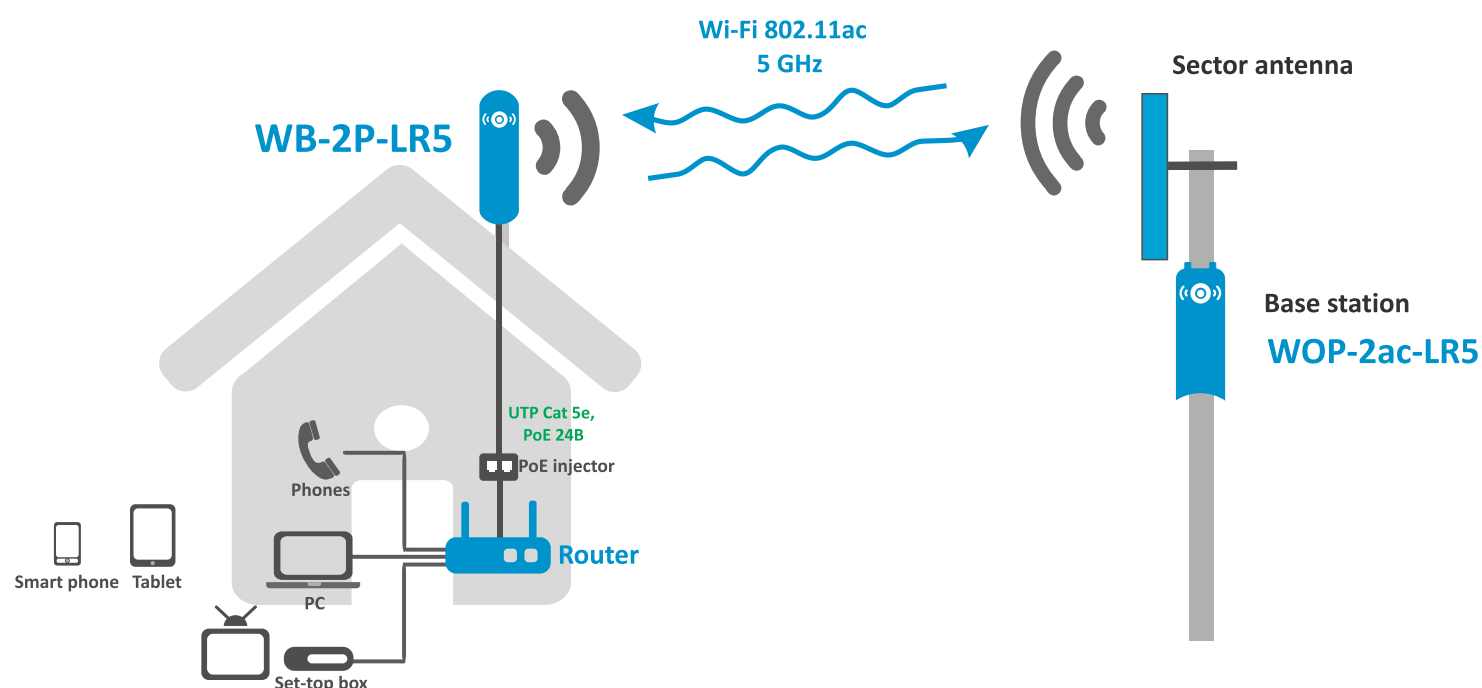
WB-2P-LR5 interfaces

Name	WAN	LAN
WB-2P-LR5	802.11a/n/ac	1xG

### Performance

To ensure a stable and uninterrupted operation, the device is equipped with high-performance processors providing high routing rates and ensuring the effective operation of FBWA (Fixed Broadband Wireless Access) technology.

## Application scheme



## Features and capabilities

### Interfaces

- WLAN: IEEE 802.11a/n/ac
- LAN: 1 Ethernet port RJ-45 10/100/1000BASE-T

### WLAN

- Support for IEEE 802.11a/n/ac standards
- Data aggregation, including A-MPDU (Tx/Rx) and A-MSDU (Rx)
- Priorities and packet planning based on WMM
- Automatic scanning of neighboring access point channels
- Support for APSD

### Security

- Centralized authentication via RADIUS server (WPA/WPA2 Enterprise)
- WPA/WPA2 encryption
- 64/128/152-bit WEP encryption

### Wireless interface parameters

- Frequency range 5180 - 5320, 5500 - 5825 MHz
- BPSK, QPSK, 16QAM, 64QAM, 256QAM modulations
- Bandwidth: 5, 10, 20, 40, 80 MHz

### Data rate<sup>1</sup>

- 802.11ac: 867 Mbps

### Receiver sensitivity

- 5 GHz: up to -94 dBm

### Maximum power of the transmitter

- 5 GHz: 24 dBm

### Antenna parameters

- Antenna gain: 12 dBi
- Linear polarization: H/V
- SWR: 2.0:1
- Beam width (H): 60°
- Beam width (V): 15°

### Network functions

- VLAN Trunk
- Management VLAN
- General VLAN
- Static routing
- Time synchronization via NTP

### Configuring


- Firmware update and configuration via DHCP-autoprovisioning, TR-069
- Remote management via Telnet, SSH
- Web interface

### Physical specifications

- Power consumption up to 8 W
- Processor – Realtek RTL8197FS 1 GHz
- RAM 128 MB
- Flash 32 MB
- Power supply: PoE 24 V
- Operation temperature: from -45°C to +65°C
- Operation humidity: up to 95%
- Dimensions (WxHxD): 80x66x282 mm
- IP54 protection
- Pole mounting

<sup>1</sup> The maximum wireless data rate is defined according to IEEE 802.11n/ac standard. The real bandwidth can be different. Conditions of the network, environment, the amount of traffic, building materials and constructions and network service data can decrease the real bandwidth. The environment can influence on the network coverage range.

## Ordering information

Name	Description	Image
WB-2P-LR5	WLAN: IEEE 802.11a/n/ac; LAN: 1 Ethernet port RJ-45 10/100/1000BASE-T	

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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.