ELTEX
Integrated networking solutions

– **1 Ethernet port**
– **Dual-band Wi-Fi**
– **Wi-Fi EasyMesh**
– **Wi-Fi AC1200**

RR-11 is a wireless signal repeater designed to extend wireless networks coverage area and amplify Wi-Fi signal strength. The device helps to eliminate blind spots and optimize your Wi-Fi network operation.

Wireless connection

RR-11 repeater provides high data rate due to the support for IEEE 802.11n/ac standards. MIMO technology and internal antennas make RR-11 a universal solution for extending a home network and providing high-quality 4K multimedia.

Advantages of EasyMesh technology

– Network intelligence: a self-organizing and self-optimizing network collects information and reacts to events for maximum performance;
– Efficient load balancing: allows devices to switch to a better connection and avoid interference;
– Scalability: allows adding Wi-Fi EasyMesh access points from different vendors.

RR-11 interfaces

Ethernet	Wi-Fi
1 x 10/100/1000BASE-T (RJ-45)	IEEE 802.11n, 2x2 MIMO, 300 Mbps, 2.4 GHz IEEE 802.11ac, 2x2 MIMO, 867 Mbps, 5 GHz

Features and capabilities

Main technical specifications
– RAM 128 MB
– Flash 16 MB
– OS Linux 3.10

Interfaces
– 1 x 10/100/1000BASE-T (RJ-45) Ethernet port
– Wi-Fi IEEE 802.11b/g/n 2.4 GHz and 802.11a/n/ac 5 GHz

Wireless interface parameters
– EasyMesh support (IEEE 802.11k/v)
– WPA/WPA2 encryption protocols
– WMM (IEEE 802.11e)
– WPS
– Wireless Multicast Forwarding
– Frequency range:
  • 2402–2472 MHZ
  • 5170–5330 MHZ
  • 5650–5835 MHZ
– MIMO:
  • 2.4 GHz 2x2 SU-MIMO
  • 5 GHz 2x2 SU-MIMO
– Maximum power of the transmitter[1]:
  • 2.4 GHz: up to 20 dBm
  • 5 GHz: up to 20 dBm

– Antenna gain:
  • 2.4 GHz: 3.5 dBi
  • 5 GHz: 3 dBi
– Receiver sensitivity:
  • 2.4 GHz: up to -90 dBm (MCS0, HT20)
          up to -71 dBm (MCS7, HT20)
  • 5 GHz: up to -93 dBm (MCS0, HT20)
          up to -73 dBm (MCS7, HT20)
– Data rate:
  • 2.4 GHz: up to 300 Mbps
  • 5 GHz: up to 867 Mbps

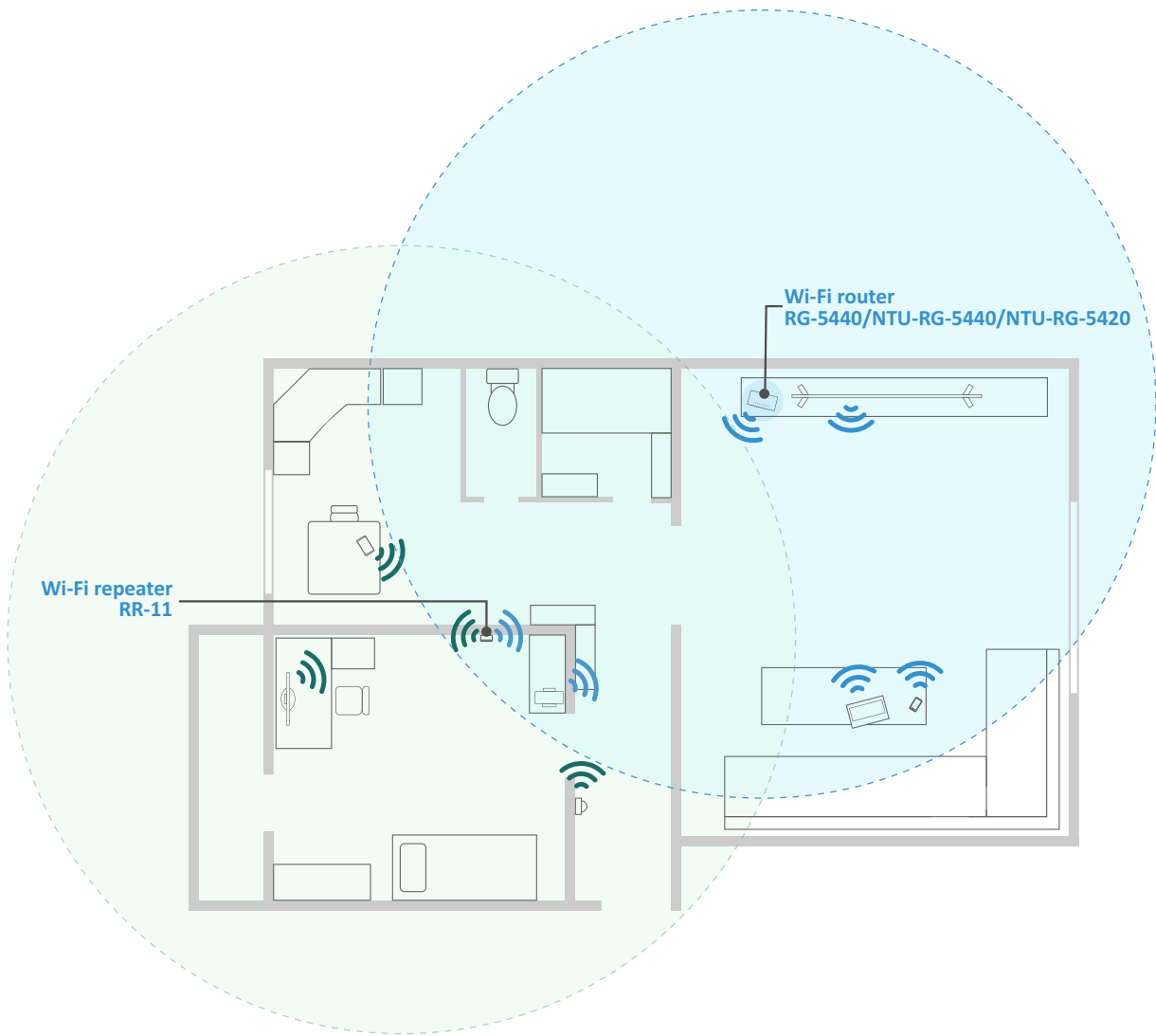**Management and diagnostics**
– Web interface
– TR-069[2]

Physical parameters
– Power consumption: no more than 7 W
– Power supply: 100–240 V, 50–60 Hz, plug type: EU
– Operating temperature: from +5 to +40 °C
– Dimensions (W × H × D): 68 × 131 × 73 mm
– Weight: 172 g

[1]The number of channels and the maximum output power value will vary according to the rules of radio frequency regulation in your country.
[2]Available only with ELTEX routers.

Use case

Wi-Fi router
RG-5440/NTU-RG-5440/NTU-RG-5420

Wi-Fi repeater
RR-11

Ordering information

Name	Description
RR-11	1×10/100/1000BASE-T (RJ-45) Ethernet port, Wi-Fi (802.11n, 2×2 SU-MIMO — 300 Mbps — 2.4 GHz + 802.11ac, 2×2 SU-MIMO — 867 Mbps — 5 GHz)

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About ELTEX

ELTEX Enterprise is a leading Russian developer and manufacturer of communications 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.