



boptix

DATASHEET

Wi-Fi router

AX3000

BO-RT622-G31



2.4/5 GHz
574/2402 Mbps



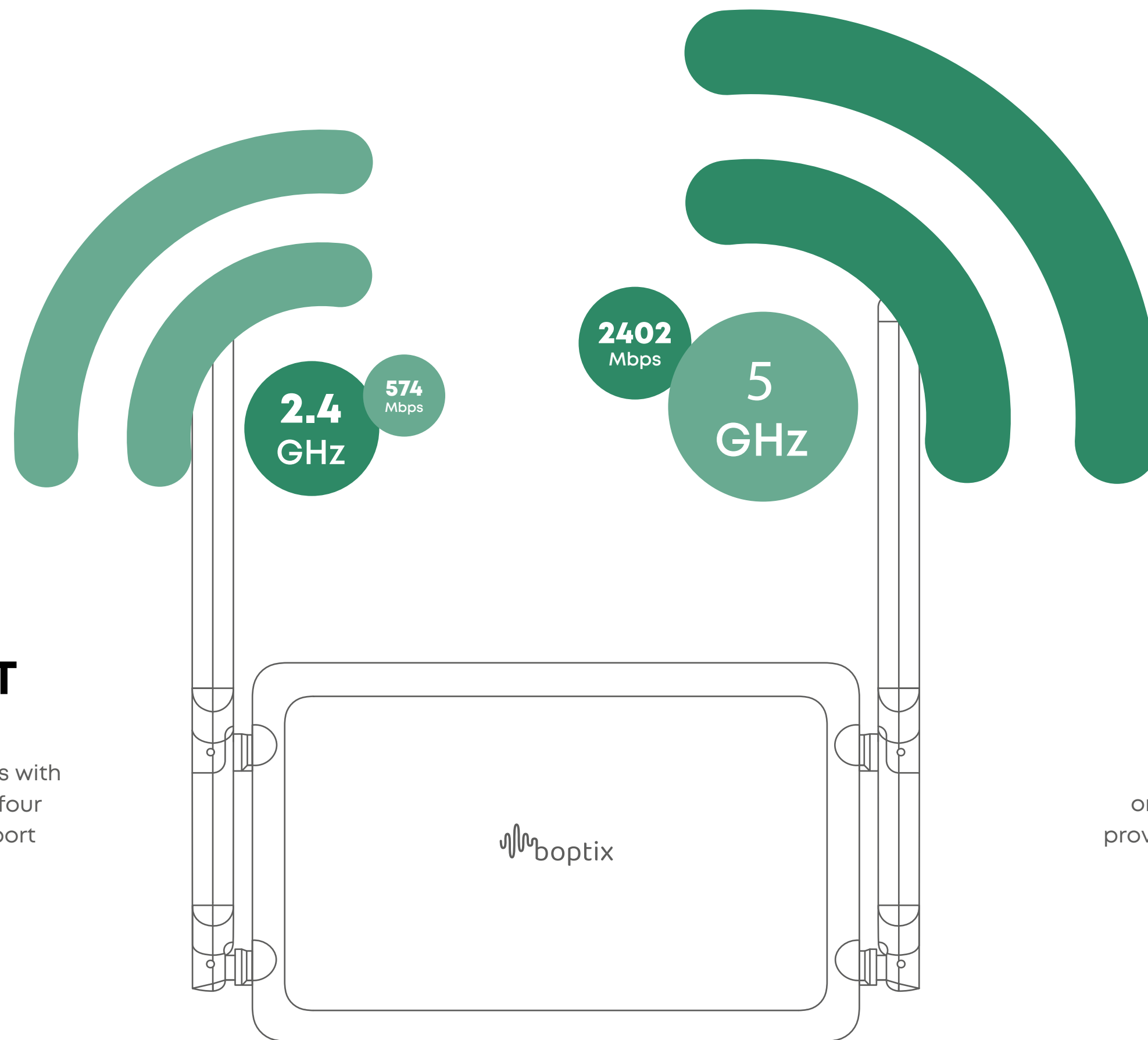
802.11ax



OFDMA
Technology



Mesh



ABOUT THE PRODUCT

A low-cost gigabit router of the AX3000 class with Wi-Fi 6 support. The router is equipped with four external antennas. WAN and LAN ports support speeds up to 1000 Mbps.

External omnidirectional antennas provide wide coverage area



PECULIARITIES

SUPPORT WI-FI 6

Wi-Fi 6 offers potentially faster connection speeds. On these networks, a large number of users can connect at the same time without delay or loss of speed.

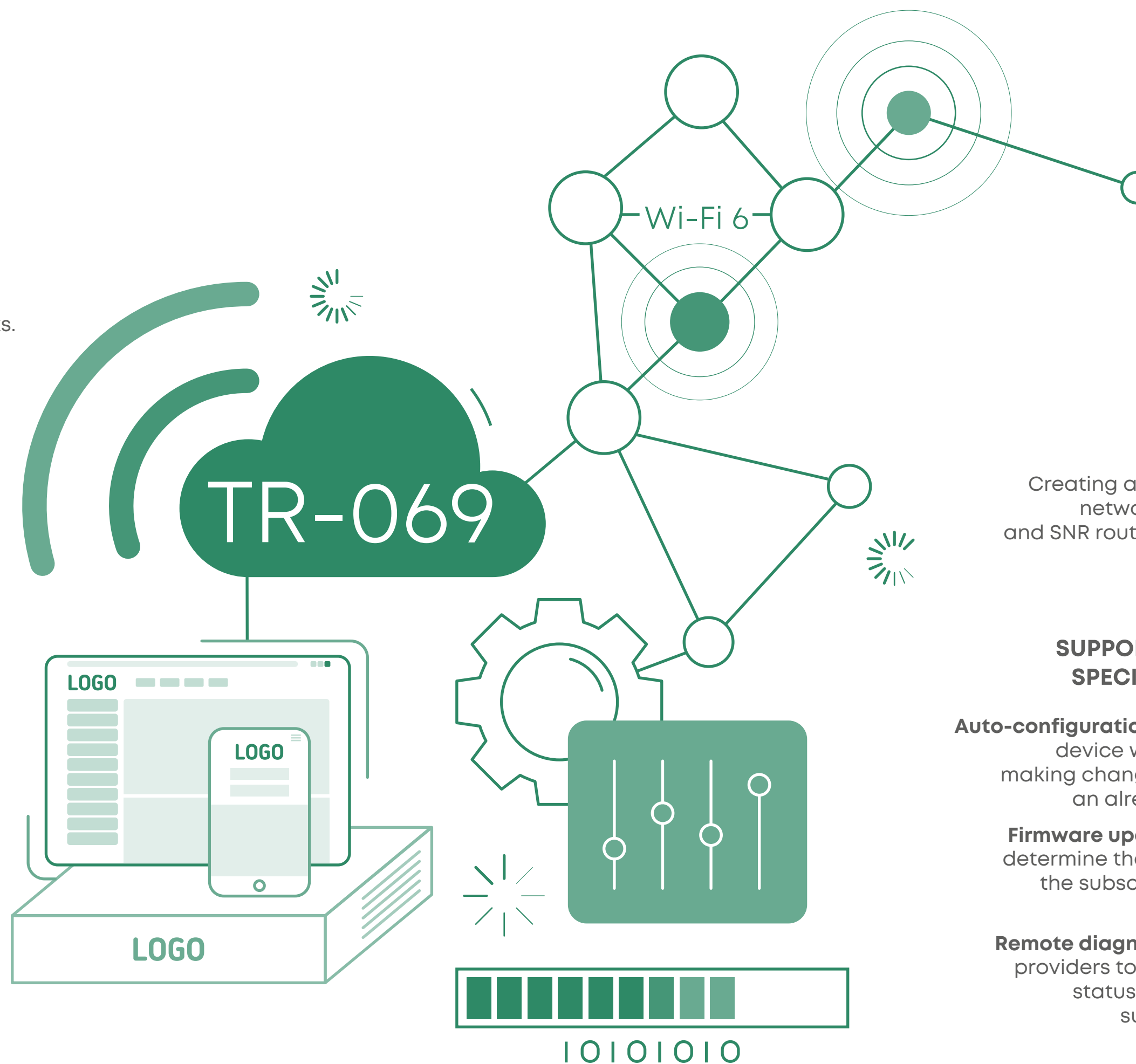
INDIVIDUAL APPROACH

Branded packaging design when ordering from 5000 pcs.

Placement of the customer's logo and customization of the router's WEB interface.

Regular updates of the customized version of the software in parallel with the main branch.

Version control and whitelists of available software when updating via the WEB interface.



MESH SUPPORT

Creating a single and seamless network of multiple BOptix and SNR routers using 802.11 k/v/r roaming protocols.

SUPPORT FOR THE TR-069 SPECIFICATION (CWMP)

Auto-configuration. Initial setup of the device when it is loaded and making changes to the settings of an already working device.

Firmware update. TR-069 helps to determine the firmware version of the subscriber equipment and update its firmware.

Remote diagnostics. TR-069 allows providers to monitor the network status and performance of subscriber equipment.



TECHNICAL SPECIFICATION

HARDWARE PART

Ethernet interfaces: 1 WAN port 10/100/1000 Mbit/s(RJ45),
3 LAN ports 10/100/1000 Mbit/s (RJ45)

Buttons: Reset, Mesh

Antennas: 4x5 dBi, omnidirectional

Volume RAM: 256 Mb

Volume Flash: 128 Mb

WIRELESS PART

Wireless interface: IEEE 802.11ax/ac/n/a 5 GHz,
IEEE 802.11ax/n/b/g 2.4 GHz

EIRP: CE: <20dBm(2.4 GHz), <23dBm(5.15 GHz~5.25 GHz),
FCC:<30dBm(2.4 GHz & 5.15 GHz~5.825 GHz)

Type of modulation: OFDM/CCK/16-QAM/64-QAM/256-QAM/1024-QAM

OTHER

Certifications: CE, RoHS, EAC

Sizes: 252x260, 4x41,3 mm

Gross weight: 625,1 g

Net weight: 335 g

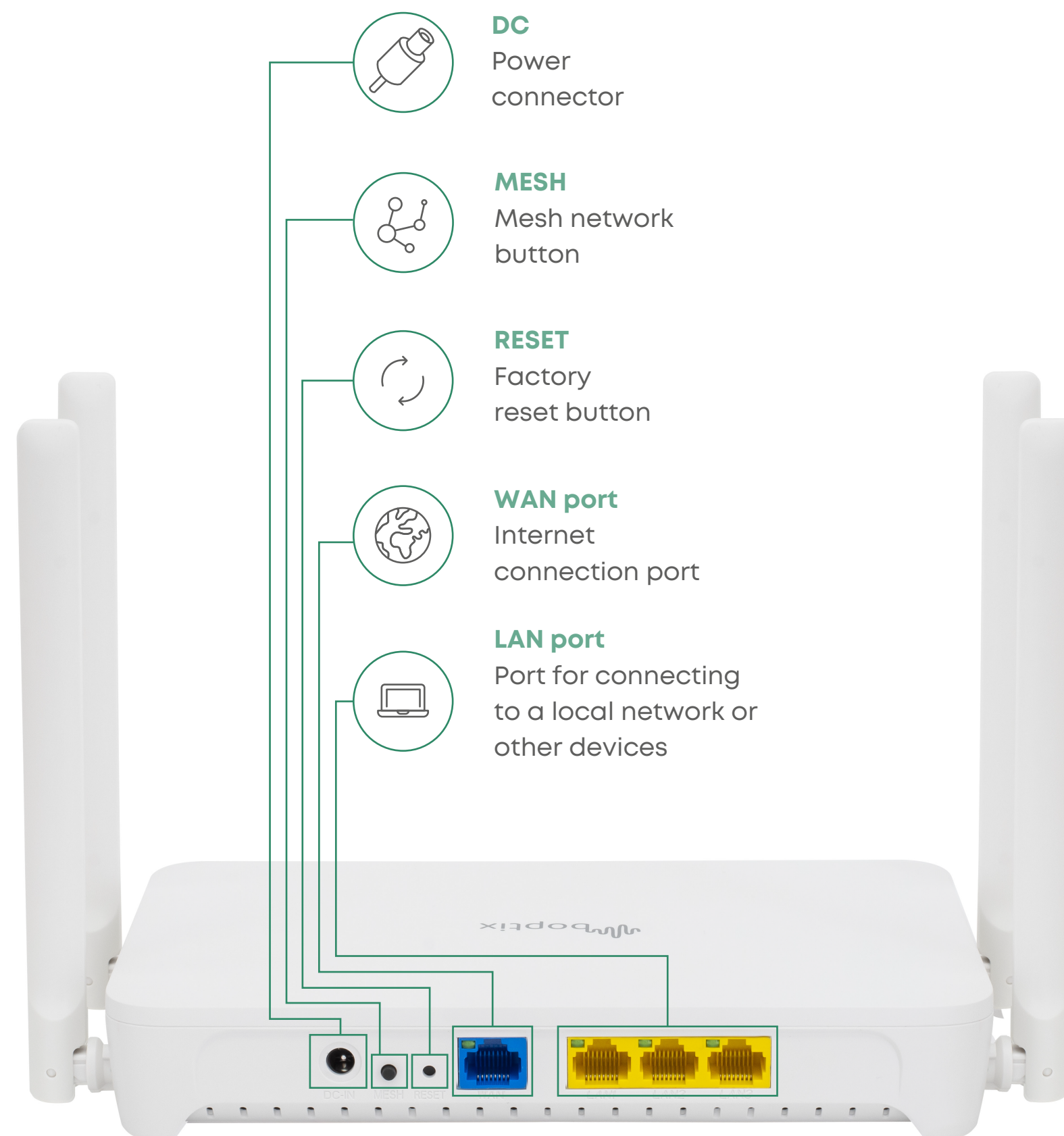
Power supply: Input: 100-240BAC/50-60Hz, output: 12BDC, 1A

Operating temperature: 0°C~40°C

Storage temperature: -40°C~70°C

Relative humidity: 10% ~ 90%, non-condensing

Storage humidity: 5%~95%, non-condensing





SOFTWARE

SNR AX2 comes with new **EasyWRT** software

EasyWRT features:

- The functions of remote control of CPE by the telecom operator using the TR-O69 (CWMP) protocol are being actively improved and expanded; we are introducing new branches for convenient interaction between the telecom operator and the equipment fleet;
- Diagnostic tools for quickly finding and troubleshooting problems;
- Possibility of setting up seamless roaming in a Mesh network using 802.11k/r/v protocols;
- In BO-RT622-G31, software recovery via TFTP is replaced by recovery via a WEB interface.





CONTENT BOX

1. Wi-Fi router;
2. Power supply;
3. RJ45 patch cord 1m;
4. User manual.



COMPARATIVE TABLE OF BRANDS



Cost

Budget price segment

Medium price segment

Software

Basic ISP
and user functionality

Advanced user features,
basic ISP functionality

Hardware

The manufacturer determines the set of components for each model

Target audience

ISPs, integrators

Retail, integrators, ISPs