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Wi-Fi роутер B-OptiX BO-RT622-G31-G2, 802.11a/b/g/n/ac/ax, 4xGE RJ45

BO-RT622-G31-G2

Описание

Gigabit AX3000-class Router with Wi-Fi 6 Support — from B-OptiX

Hardware Platform

The **BO-RT622-G31-G2** is equipped with four external 5 dBi antennas. The 1 WAN and 3 LAN ports support speeds up to 1 Gbps.

The modern hardware platform delivers high performance for both wired and wireless segments:

WAN and LAN ports support speeds up to **1 Gbps**

2.4 GHz Wi-Fi provides channel speeds up to **574 Mbps**

5 GHz Wi-Fi provides channel speeds up to **2402 Mbps**

Software

The **BO-RT622-G31-G2** comes with **EasyWRT** software.

EasyWRT capabilities:

Remote CPE management for ISPs via the **TR-069 (CWMP)** protocol, without hidden services; new branches are added to simplify operator interaction with the device fleet

Diagnostic tools for quick troubleshooting

Ability to configure seamless roaming in a Mesh network using **802.11k/r/v** protocols

Firmware recovery via the web interface

Advanced Wireless Features

New features have been added and existing technologies improved:

OFDMA — a key Wi-Fi 6 enhancement increasing potential throughput and reducing latency for client devices

BSS Coloring — a method that separates access points and clients using the same channel, improving coexistence in dense environments and reducing collisions

TWT (Target Wake Time) — optimizes the power consumption of client devices by coordinating how often a device wakes up to transmit data

Mesh — creating a single seamless network from multiple SNR and B-OptiX routers using **802.11k/r/v** roaming protocols

BandSteering — enables range management, allowing easy duplication of SSID and security settings from the 2.4 GHz interface to the 5 GHz interface

Support for **Multicast**, **IGMP Snooping**, **Multicast-to-Unicast**, and multicast/broadcast isolation ensures stable quality of IP television services, including for Wi-Fi clients (though the latter is generally not recommended for IPTV)

IPv6 support, including: Native Dual Stack over IPoE/PPPoE with DHCP+RA, 6to4 mode, radvd, and dhcp6s services

For Internet Service Providers

SNR offers ISPs a flexible set of customization options for SNR-CPE wireless routers: housing modification, packaging changes, and firmware customization tailored to the specific network. Contact your account manager for more details.

For independent firmware customization, the **EasyCustom** tool allows reading, writing, and modifying configuration files stored in the router's memory. The tool enables manual EasyWRT configuration changes via scripts *without rebuilding the firmware*, and saves modified parameters to permanent memory by uploading an archive directly to the router.

When uploading EasyCustom, system files will be replaced with those from the archive. Available in EasyWRT versions **2.4.0 and above**. More details can be found in our knowledge base.

Diagnostic tools and remote CWMP access allow rapid issue resolution and help prevent network problems.

Общие

Частотный диапазон Wi-Fi, ГГц	2.4 5
Поддержка MIMO, в диапазоне 2.4ГГц	2x2
Поддержка MIMO, в диапазоне 5ГГц	2x2
Портов LAN	3
Портов WAN	1
Стандарты Wi-Fi IEEE 802.11	802.11a 802.11ax (Wi-Fi 6) 802.11g 802.11b 802.11n (Wi-Fi 4) 802.11ac (Wi-Fi 5)
Скорость портов LAN	1000 Мбит/с
Скорость портов WAN	1000 Мбит/с
Функция репитера	Да
Wireless WAN	Да
Управление	SSH HTTP syslog TR-069



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Поддержка WPA3	Да
Порт USB	Нет
Объем RAM	256 МБ DDR3 RAM
Объем Flash	128 МБ
Предустановленное ПО	EasyWRT
EIRP	2.4GHz - 20dBm 5GHz - 20dBm
Антенны	4x5dBi, всенаправленные
Рабочая температура	0°C~40°C (32°F~104°F)
Температура хранения	-40°C~70°C (-40°F~158°F)
Рабочая влажность	10% ~ 90%, без конденсации
Влажность при хранении	5%~95%, без конденсации
Размер и вес коробки (с устройством внутри)	280*310*50мм (В*Ш*Г), 820 гр.
Размер устройства, вес	206*150*37мм (В*Ш*Г), 818 гр.
Комплект поставки	Адаптер питания Инструкция по применению Кабель Ethernet BO-RT622-G31-G2
Роуминг	802.11k/r/v
Тип модуляции	ССК OFDM 16-QAM 64-QAM 256-QAM 1024-QAM
Беспроводной интерфейс	IEEE 802.11an/ac/ax, 2t2r, 5.1- 5.8ГГц IEEE 802.11b/g/n/ax, 2t2r, 2.4-2.4ГГц
Mesh	Да