



Overview

The Orbi™ 4G LTE Advanced Whole Home WiFi Router delivers up to 2.2Gbps high-performance WiFi on 4G LTE networks. It has a sleek, modern design with high-gain internal antennas for up to 2,000 sq ft of coverage. The Orbi™ 4G LTE Advanced WiFi Router with integrated cellular modem is compatible with select Orbi AC Satellites to create a mesh WiFi system, supporting seamless 4K streaming and gaming everywhere in your home.

Mobile SIM, required for operation, is included⁴.

Features



Use Your Cellular Service for Your Internet Connection.

Compatible with AT&T, T-Mobile and other major 4G LTE service providers³. Select a data plan & activate a SIM card from your preferred provider, or use the SIM card option included⁴.



Increase WiFi Coverage.

Add an Orbi AC Satellite to create a Mesh WiFi System and expand your WiFi coverage (sold separately).



Super-fast WiFi up to 2.2Gbps[†].

Enjoy seamless 4K HD video streaming & gaming everywhere in your home.



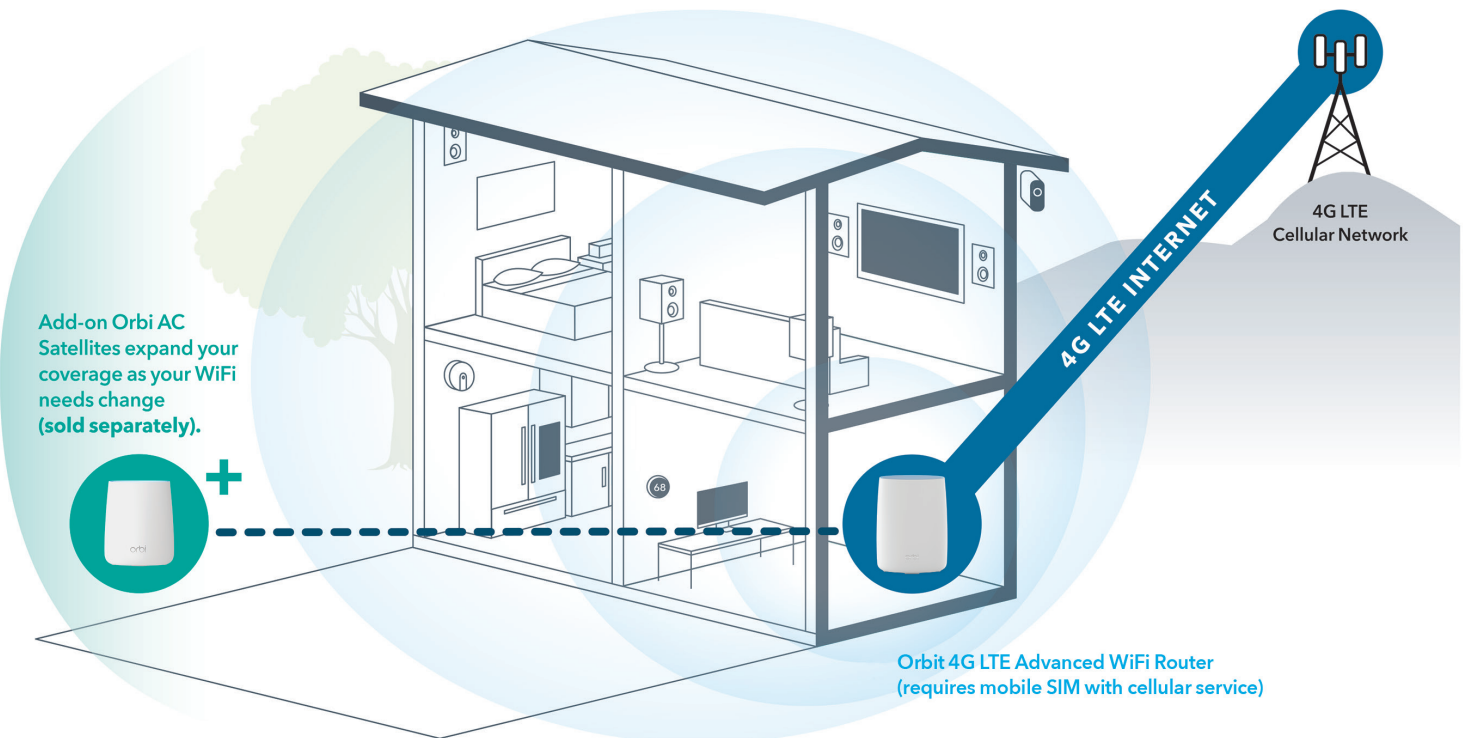
Always-on Internet.

Seamlessly switch over to 4G LTE when your existing Internet service fails.



House Diagram

Better WiFi. Anywhere.



NETGEAR Armor empowers you to eliminate vulnerabilities or simply know the status of your home network and devices, anytime, anywhere. Get instant notifications when malicious threats are detected, block unknown devices from joining your home network or take action on vulnerabilities as they are discovered easily through the Orbi App.



Advanced Cyber Security for Your Devices
NETGEAR Armor™ | Powered by Bitdefender®

- **Advanced Threat Detection** - Identifies & blocks viruses, spyware, ransomware, malicious links, and more, on your laptops, tablets & smartphones.
- **Smart Home Vulnerability Scans** - Regularly scans connected devices to ensure they're not vulnerable to hackers.
- **Data Theft Protection** - If your Android® or Windows™ device is lost or stolen, you can locate, lock, & wipe data remotely.
- **Instant Alerts** - Receive immediate alerts when threats are detected & blocked.

Learn more at [NETGEAR.com/armor](https://www.netgear.com/armor)



Get Started with the Orbi app

Use the Orbi app to setup and manage your Orbi WiFi. Available on Google Play™ and Apple® App Store.



Orbi 4G LTE Advanced WiFi Router (LBR20)





4G LTE Advanced WiFi Router

Data Sheet

LBR20

What's In the Box?

- One (1) Orbi 4G LTE Advanced WiFi Router (LBR20)
- One (1) 2m Ethernet cable
- One (1) 12V/2.5A power adapter
- Quick start guide
- Third party SIM card & activation instructions

What Do I Need for Orbi to Work?

- High-speed Internet connection
- Activated LTE SIM card
- Orbi app
- **DO NOT purchase a second Orbi Router if you need to expand your WiFi coverage**
- **To expand your Orbi WiFi system, purchase an Orbi AC Satellite (RBS50, RBS50Y, RBS40, RBS40V, RBW30 or RBS20), sold separately, for additional WiFi coverage**

Technical Specifications

- Orbi AC2200 LTE WiFi Router (866 + 866 + 400Mbps)[†]
- AC2200 Simultaneous Tri-band WiFi
 - 400Mbps – 2x2 @ 2.4GHz: Supports 256-QAM
 - 866Mbps – 2x2 @ 5GHz: Supports 256-QAM
 - 866Mbps – 2x2 @ 5GHz: Supports 256-QAM
- IEEE® 802.11 a/b/g/n/ac
- LTE Cat 18 up to 1.2Gbps[‡]
- NA
 - 4G band (LTE-FDD): B2,4,5,7,12,13,14,17,25,26,29,30,66,71
 - 4G band (LTE-TDD): B41
 - 3G band: B2,4,5

This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller. www.netgear.com/warranty

* 90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

** Orbi AC Satellites sold separately.

[†] Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and be lowered by network and environmental conditions, including network traffic volume, device limitations, and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 2,200Mbps wireless speeds achieved when connecting to other 802.11ac 2,200Mbps devices.

[‡] Actual LTE speed may vary depending on network conditions and Internet data plans.

¹ NETGEAR Armor™ is free during the trial period. A yearly subscription, after the trial period, protects all of your connected devices. Visit www.netgear.com/armor

² Circle® includes the Free Basic Plan. Fees apply for a Premium Plan. Visit netgear.com/circle for more information.

³ Network must support subset of the 4G LTE Bands listed under the Technical Specifications.

⁴ Fees apply based on data service plan selected.

For regulatory compliance information, visit <http://www.NETGEAR.com/about/regulatory>

For indoor use only.

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- EU & AU
 - 4G band (LTE-FDD): B1,3,5,7,8,20,28
 - 4G band (LTE-TDD): B38,40,41
 - 3G band: B1,3,5,8
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz bands
- Two (2) 10/100/1000Mbps Gigabit Ethernet ports
 - One (1) WAN/LAN & one (1) LAN
- Two (2) External LTE antenna connectors (antennas not included)
- Security
 - Comprehensive anti-virus & data theft protection for your PC, Mac® and mobile devices with NETGEAR Armor™
 - Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
 - Guest WiFi Network is easy to setup separate & secure Internet access for guests
- Voice Control
 - Amazon Alexa™
 - The Google® Assistant
- Circle® – Smart Parental Controls to manage content and time online for all your devices. Learn more at netgear.com/circle

Physical Specifications

- Dimensions: 6.7 x 3.1 x 8.9 in (170 x 79 x 226 mm)
- Weight: 1.72 lb (0.78 kg)