



Whole Home Tri-Band Mesh WiFi 7 System

870 Series



Unlock Multi-Gig Performance with WiFi 7

Orbi WiFi 7 is in a class of its own, designed for a new era of entertainment, hybrid work, and smart home convenience. The Orbi 870 Series unlocks the power of WiFi 7 with speeds up to 21 Gbps, 2.4X faster than WiFi 6. In addition, the Orbi 870 brings exceptional 360° WiFi coverage across every corner of your home, regardless of the layout, from the front door to the back yard. It includes a 30-day trial subscription of Armor, all-in-one security protection.¹

Key Features

- **Exceptional Performance**—Cutting-edge WiFi 7 performance, whole-home WiFi with up to 21 Gbps[†] WiFi speeds & 360° coverage up to 9,000 sq. ft., from the front door to the back yard.
- **2.4X Faster than WiFi 6**—Unlock incredible speeds up to 21 Gbps on the only mesh system designed to ensure WiFi stays fast on your devices simultaneously.
- **Exceptional Whole-home Mesh WiFi**—Elegant new design and high-performance antennas provide 360° WiFi coverage throughout your home for up to 150 devices.
- **Unleash Incredible Speed**—Whether Multi-Gig cable or fiber, get the fastest speeds available today and tomorrow with a 10 Gig internet port.
- **Designed for a Flawless Experience**—From 4K/8K streaming to video conferencing, gaming, AR/VR and more, Orbi ensures your family can accomplish it all at once.
- **Enhanced Backhaul**—Multi-link operation ensures maximum speeds across your devices.
- **Resilient WiFi**—Preamble puncturing blocks interference for stronger WiFi connections.
- **Easy Setup and Management**—Orbi works with any internet service provider. The Orbi app makes it a breeze to set up and manage your WiFi.

Technical Specifications

- Combined WiFi speeds of up to 21 Gbps on Orbi Router and Satellites
- Tri-band with 10 streams of WiFi
 - 6 GHz³ (4x4/320 MHz, 4K-QAM): 11,520 Mbps
 - 5 GHz (4x4/240 MHz, 4K-QAM): 8,640 Mbps
 - 2.4 GHz (2x2/40 MHz, 1K-QAM): 688 Mbps
- Multi-Gig Ethernet ports - Orbi Router
 - One (1) 10 Gig internet WAN port
 - Four (4) 10/100/1000/2500 Mbps Gigabit Ethernet LAN ports
- Multi-Gig Ethernet ports - Orbi Satellites
 - Four (4) 10/100/1000/2500 Mbps Gigabit Ethernet LAN ports (each)
- Multi-link Operation: Combines two WiFi bands
 - Backhaul: Shared 5 GHz & 6 GHz
 - Fronthaul: 5 GHz & 6 GHz
- Processor - Router
 - Powerful quad-core 1.5 GHz processor
- Memory - Router
 - 4 GB flash and 2 GB RAM

Services & Security

- Orbi Mobile App—Do it all in the Orbi App to easily set up, monitor and manage your Orbi WiFi and access exclusive NETGEAR services.
- NETGEAR Armor™ Powered by Bitdefender®—All-in-one internet security. 30-day subscription included.¹ Visit: www.netgear.com/armor
- NETGEAR Smart Parental Controls—Easily manage your kids' time online across their connected devices.² Learn more at: www.netgear.com/spc
- Separate WiFi networks for secure access:
 - Main Network for all your home devices
 - IoT Network for all your IoT devices
 - Guest Network for guests
- WPA3 for secure WiFi connection to devices
- Automatic firmware update delivers latest security patches to the router automatically
- VPN support provides secured remote access to your home network



Whole Home Tri-Band Mesh WiFi 7 System

870 Series

Package Contents

- One (1) Orbi WiFi 7 Router (RBE871B)
- Two (2) Orbi WiFi 7 Satellites (RBE870B)
- One (1) 2m Ethernet cable
- Three (3) power adapters
- Quick start guide

System Requirements

- High-speed Internet connection to existing modem or gateway

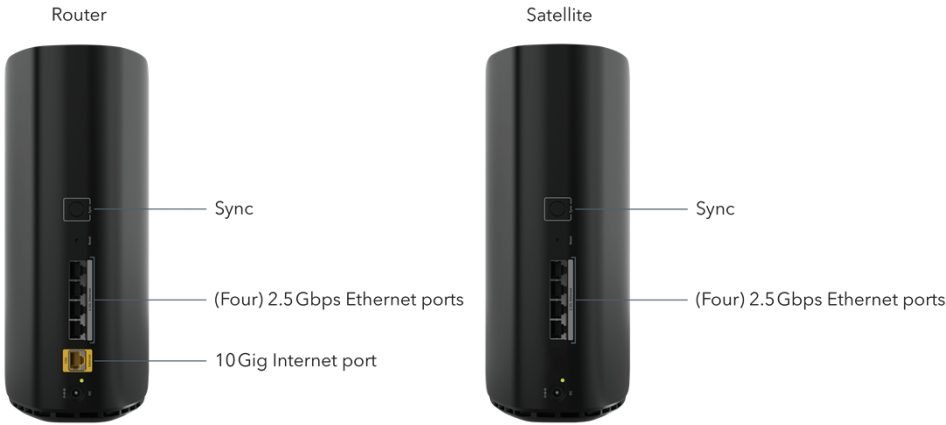
Warranty & Support

- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller
- www.netgear.com/warranty

Physical Specifications

- Dimensions: 10.64 x 5.78 x 4.43 in (270.3 x 146.8 x 112.4 mm) each
- Weights:
 - Router: 2.69 lb (1.22 kg)
 - Satellites: 2.65 lb (1.201 kg) each

Connection Diagram



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

[†] 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. To achieve maximum wireless/wired speed requires devices that use the latest wireless/wired standards and support maximum speeds.

¹ NETGEAR Armor[™] Powered by Bitdefender[®] requires a paid subscription after the initial 30-day free trial.

² NETGEAR Smart Parental Controls[™] fees apply for a Premium Plan.

³ Clients must support 6 GHZ band (WiFi 6E). 6 GHZ band is limited to indoor range.

For regulatory compliance information, visit www.NETGEAR.com/about/regulatory.

NETGEAR, the NETGEAR Logo, NETGEAR Armor, and Orbi are trademarks of NETGEAR, Inc. Any other trademarks mentioned herein are for reference purposes only.
©2024 NETGEAR, Inc.