



The Ultimate 10Gig WiFi 6 Router

The Orbi 860 Tri-Band WiFi 6 Router provides high-performance, whole-home WiFi with blazing-fast speeds up to 6Gbps[†] for up to 100 connected devices. Upgraded antenna design boosts coverage even further, up to 2,700 sq. ft. throughout your home. The 10-Gigabit Internet port enables Multi-Gig Internet connections. NETGEAR Armor™ software, with a 1-year license included, protects your WiFi with a shield of security across every device.

Key Features

- **High-performance WiFi**—Experience blazing-fast WiFi with up to 6Gbps[†] WiFi speeds and coverage up to 2,700 square feet.
- **WiFi You Can Count On**—Stream 4K/8K movies, Zoom video conferences, and WiFi calls, and keep up to 100 devices connected with confidence.
- **Multi-Gig Speeds with 10GbE Internet Port^{††}**—Experience the fastest download speeds of today & tomorrow. Connect to the latest cable or optical fiber Internet services with speeds greater than 1Gbps, up to 10Gbps.
- **20% WiFi Boost with Exclusive Antenna Array Design[‡]**—Using unique WiFi optimization and improved antenna array, your WiFi is maximized with up to 20% more range and performance over the previous generation of Orbi.
- **Powerful Quad-Core 2.2GHz Processor**—The Orbi 860 Router is equipped with a heavy-duty co-processor to handle Multi-Gig LAN/Internet Speed traffic without incurring any CPU load.
- **Exclusive Features**—Includes a 1-year subscription to NETGEAR Armor™ software powered by Bitdefender® that protects your WiFi with a shield of security across your PCs, phones, cameras, TVs, Echo, etc.
- **WiFi that Grows with You**—Expand WiFi coverage with the push of a button by adding an Orbi 860 satellite (sold separately). Take your WiFi into the future with patented Orbi Mesh.

Technical Specifications

- Orbi AX6000 Router (2400+2400+1200Mbps)[†]
- Simultaneous Tri-band WiFi
 - Radio 1: IEEE® 802.11b/g/n/ax 2.4GHz – 1024-QAM support
 - Radio 2: IEEE 802.11a/n/ac/ax 5GHz – 1024-QAM support
 - Radio 3: IEEE 802.11a/n/ac/ax 5GHz – 1024-QAM support
- MU-MIMO™ capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz bands
- Powerful quad-core 2.2GHz processor
- Memory – 512MB NAND flash and 1GB RAM
- Antenna – Eight (8) high-performance internal antennas with high-power amplifiers
- Ports
 - Four (4) 10/100/1000Mbps Gigabit Ethernet LAN ports
 - One (1) 10Gbps Multi-Gigabit Ethernet WAN port
- Voice Commands – Control your Orbi Router with simple voice commands through Amazon Alexa™ and the Google Assistant™.

Services & Security

- Orbi Mobile App - Just tap to manage your network, set up guest WiFi access, monitor devices and data usage, run speed tests, and more.
- NETGEAR Armor™ - Protect your family's WiFi with an automatic shield of security for your connected devices. Real-time protection against hackers getting into devices like laptops, phones, security cameras, & door locks, as well as alerts when sensitive data may be stolen. Plus, added privacy protection with VPN for secure network access.¹
- Award-winning NETGEAR® Smart Parental Controls™ easily manages your kids' exposure & time online across all their connected devices to build healthy habits wherever they are, with a Premium SPC subscription²
- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Guest WiFi network makes it easy to set up separate & secure Internet access for guests

Orbi™ Tri-band WiFi 6 Router - 860 Series

Package Contents

- One (1) Orbi Router (RBR860)
- One (1) 6.6 ft. (2m) Ethernet cable
- One (1) power adapter
- 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 x 7.5 x 2.8in (254mm x 190.5mm x 71.12mm)
- Weight: 2.86 lb (1.29 kg)

Connection Diagram



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

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† 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 6Gbps wireless speeds achieved when connecting to other 802.11ax 6Gbps devices.

Wireless speeds are country-specific, as certain WiFi band channels may not be available in some countries.

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

² NETGEAR Smart Parental Controls™ fees apply for a Premium Plan. Visit www.netgear.com/spc for more information.

‡ Compared to RBK853 throughput improvement at maximum range.

⊗ MU-MIMO capability requires both router and client device to support MU-MIMO.

For indoor use only.

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

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