



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 250 square meters throughout your home. The 10-Gigabit Internet port enables Multi-Gig Internet connections.

Key Features

- **High-performance WiFi**—Experience blazing-fast WiFi with up to 6Gbps[†] WiFi speeds and coverage up to 250 square meters. Enhanced full Tri-Band WiFi in router mode to ensure maximum performance benefit to your devices.
- **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.
- **WiFi Boost with Exclusive Antenna Array Design[‡]**—NETGEAR's patented, most advanced antenna design for WiFi 6 routers boosts WiFi coverage & signal strength, ideal for iPhones® and Windows 10® PCs.
- **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.
- **WiFi that Grows with You**—Expand WiFi coverage with the push of a button by adding an Orbi 860 satellite (sold separately). Automatically switches to patented dedicated backhaul when satellites connect to router for optimal coverage and Mesh WiFi speed.

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.
- 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 subscription¹
- 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 2.8 in. (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.

‡ 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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TS-RBR860-PR-0