NBG7510

AX1800 WiFi 6 Gigabit Router

Amazing Fast WiFi 6, True Gigabit Speed

Rest assured that you have one of the fastest performance available with WiFi 6 on NBG7510. It is based on the latest WiFi 6 technology which has been designed to offer ultra-fast and efficient connections for streaming, gaming, and productivity.

Excellent Performance, Much More Effective than WiFi 5

802.11ax future-proof technology provides up to 1.8 Gbps with optimal efficiency and high speed throughput. NBG7510 delivers up to 4X the overall network capacity, allowing more available bandwidth and less congestion than the previous standard 11ac WiFi 5.

Unrivaled WiFi 6 speed up to 1800 Mbps

Eliminate WiFi dead zone for the whole home coverage

4X greater capacity to connect more devices

WPA3 enhanced WiFi security protection

Easily manage with web interface & Rover app

NBG7510
Max Out Your WiFi

Zyxel Rover

Benefits

Connect More Devices than Ever

NBG7510 is loaded with the latest MU-MIMO and OFDMA technology which can efficiently allocate channels, handle data transmission with multiple devices simultaneously. Greatly improve user experience and prevent connection delays.

Eliminate WiFi Dead Zones for Whole Home Coverage

Beamforming technology helps focus signal strength towards your devices to eliminate WiFi dead zones. Four external high-powered antennas improves WiFi coverage to your devices. Move freely throughout your home with no loss in performance or reliability.
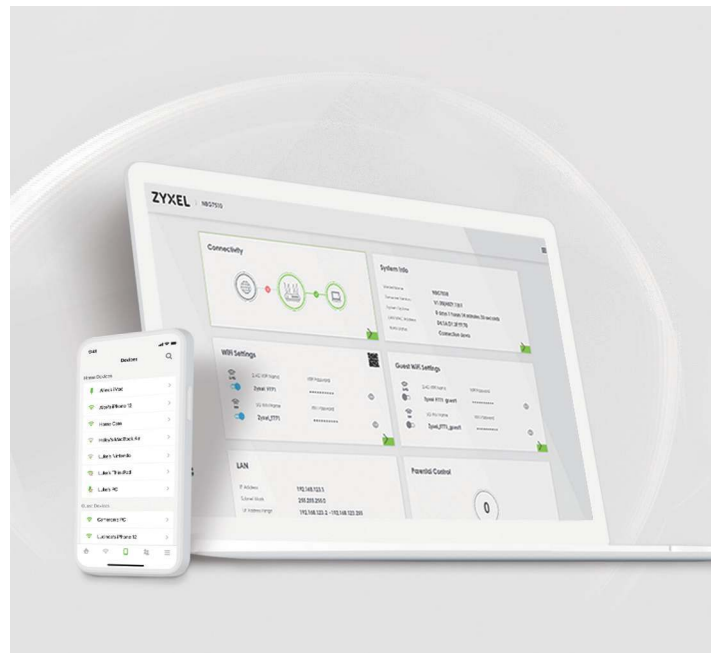

Safe and Sound, Fully Secured Data

Safeguard your home WiFi with WPA3, it will make your Internet experience much safer! Upgrade to the latest security encryption in WiFi password and get enhanced protection against brute-force attacks.
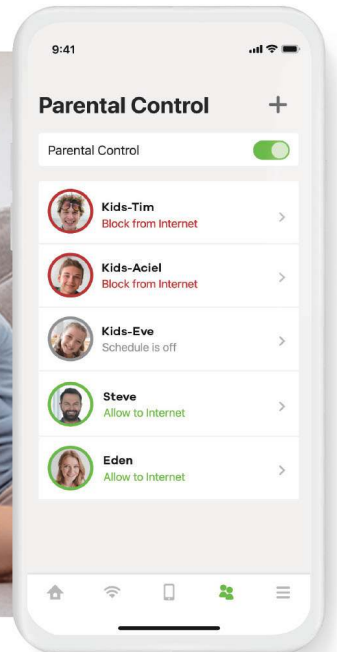

Effortlessly Manage with Rover App/Web Interface

Whether you prefer the intuitive Rover App or the powerful web interface, you can easily manage your NBG7510 router's settings.
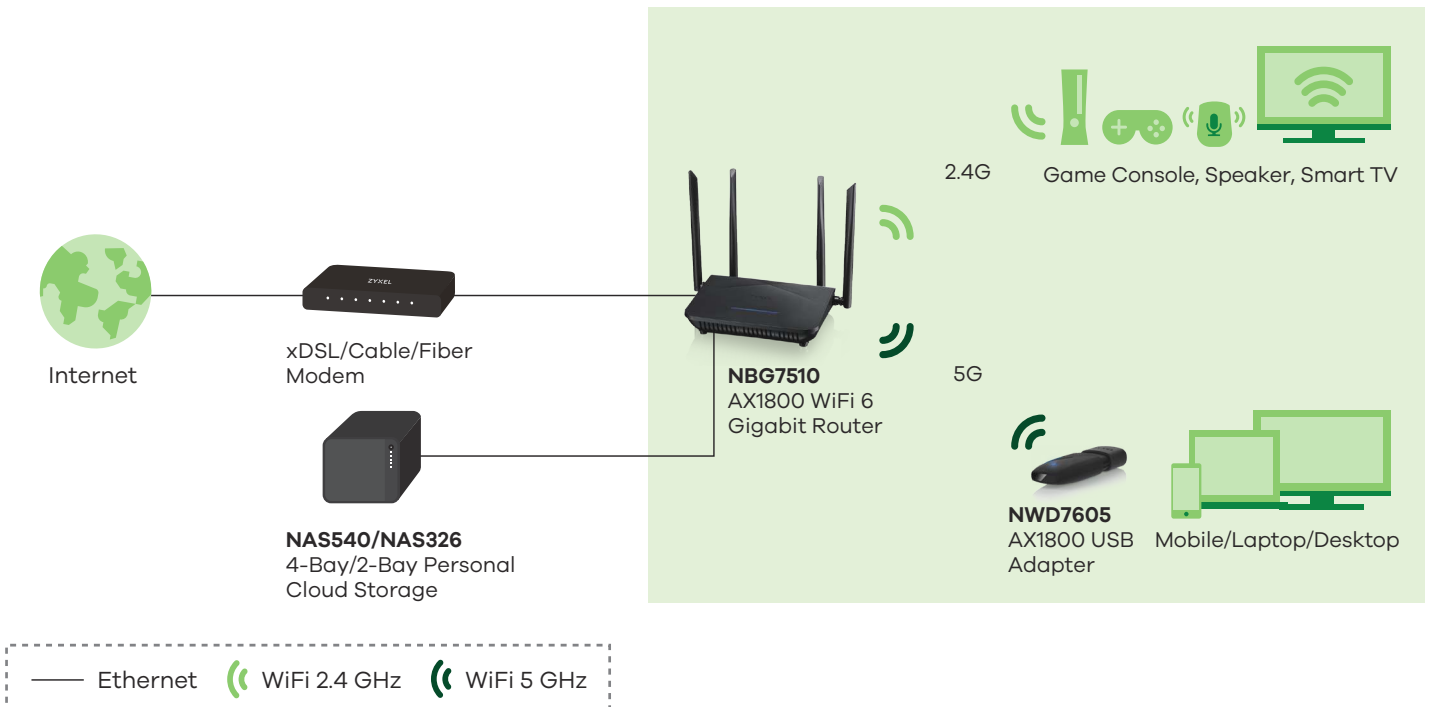
Safeguard Kids with Smart Parental Control

Parental control let you set schedules to manage kids' online sessions. Fine tune the amount of time that you wish your children's device(s) connection.

Application Diagram

Internet — xDSL/Cable/Fiber Modem — NBG7510 AX1800 WiFi 6 Gigabit Router

NAS540/NAS326 4-Bay/2-Bay Personal Cloud Storage

2.4G Game Console, Speaker, Smart TV

5G

NWD7605 AX1800 USB Adapter — Mobile/Laptop/Desktop

—— Ethernet   ((WiFi 2.4 GHz   ((WiFi 5 GHz

Specifications

System

Wireless Speed
- AX1800 (600+1200Mbps)

Standard Compliance
- IEEE 802.11 ax/n/b/g 2.4 GHz
- IEEE 802.11 ax/ac/n/a 5 GHz
- Simultaneous Dual-band WiFi:
- 2.4GHz AX: 2x2 (Tx/Rx) 1024 QAM 20/40MHz, up to 600 Mbps*
- 5GHz AX: 2x2 (Tx/Rx) 1024 QAM 20/40/80MHz, up to 1200 Mbps*
- MU-MIMO capable for simultaneous data streaming
- Beamforming for 2.4GHz & 5GHz bands
- Processor: Airoha EN7528HU dual core up to 900 MHz
- Compatible with 802.11a/b/g/n/ac WiFi standards

Software

Security
- IPSec Pass-Through
- PPTP Pass-Through
- WPA3-PSK/WPA3-SAE with AES
- WPS Support
- Guest Network
- Automatic Firmware Update

Wireless Features
- Guest WiFi
- WiFi Protected Setup (WPS)
- QoS: WiFi Multimedia (WMM)
- Auto channel selection
- 4 SSIDs for multiple purpose
- Multicast-Unicast Conversion
- Traffic separation from host network
- Band Steering
- AP Steering

Wired Interface
- One WAN 10/100/1000 Mbps port
- Three LAN 10/100/1000 Mbps ports

Routing Protocols
- WAN type: Static IP, DHCP, PPPoE
- IGMP v1/v2/v3
- Auto-IP change
- IPv4/IPv6
- Network Address Translation (NAT)
- DHCP server/client
- Dynamic DNS

Firewall
- Stateful Packet Inspection (SPI)
- Deny of Service (DoS) Prevention
- MAC Filter
- TCP/IP Filter

Operation mode
- Standard mode (Router mode)
- Bridge mode (Access point mode)

Web Browser
- Advanced wired & wireless setup and management
- Parental Control
- Diagnose & speed test

App

Zyxel Rover App
- Support Parental Control
  - Organize multiple devices into group
  - Block or allow specific group based on time schedule
  - Flexible override Internet access for specific device group
- Support guest WiFi setting
  - Share WiFi name and password via QR code for your guests
  - Monitor of active concurrent guest devices connected
- Wireless site survey
- Speed test
- On-line firmware upgrade
- Automatic updates for new features
- Support iOS 9.0/Android 5.0 or later

Hardware
- CPU: 900 MHz Dual-Core
- Memory: DDR256MB RAM
- Flash: NAND Flash 128MB
- Antenna: 4 External Antennas
- WAN: One 10/100/1000 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: Three 10/100/1000 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support
- LED indicator: Status indication
- Power: 12 V DC, 1 A
- Power consumption: 12 watt

Physical Specs (per unit)
- Item dimensions (LxWxH): 225x157x196mm (8.9"x6.2"x7.7")
- Item weight: 331 g (0.73 lb.)

Environmental

Operating Environment
- Sumperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

Storage Environment
- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 90% (Non-condensing)

Package Contents
- Wireless Router
- Power Adapter
- Ethernet Cable
- Quick Start Guide (Combined with warranty form)

Certifications
- Safety: CE-LVD, BSMI
- EMC: CE, FCC, BSMI, NCC

* The maximum wireless data transfer rates of up to 600 Mbps at 2.4 GHz and 1200 Mbps at 5 GHz in simultaneous transmission are derived from the IEEE Standard 802.11 specifications. Actual data transfer rates may vary from network conditions including: distance, network traffics, building site material/ construction, interference from other wireless devices and other adverse factors.

** All specifications are subject to change without notice.

Download App
Zyxel Rover

Available on the iPhone App Store

GET IT ON Google Play

01/03/23