ZYXEL NETWORKS

NBG7815 Armor G5

AX6000 12-Stream Multi-Gigabit WiFi 6 Router

WiFi 6 technology heralds a new era

Expand capacity, maximize speed and improved performance with Zyxel Armor G5. Advanced with WiFi 6 which has been designed to offer faster efficient connections especially in device dense environments. Armor G5 multi-gigabit router is the fastest home router that offers the best speed over wireless network and can act as a powerful media server with high efficiency, fast throughput, and provide excellent wireless range.

Maximize the speed performance

Armor G5 provides up to 6000 Mbps with better efficiency and highest throughput. The 12 WiFi streams enables the Armor to send and receive more data from multiple connected devices, allowing more available bandwidth and less congestion than a standard WiFi 5 router.

4X FASTER

- **AX 802.11** WiFi 6 802.11AX technology, up to 4X faster than 11ac with 12 streams
- Max out wired connection with 10 Gbps LAN network, perfect for streaming
- Powerful 2.2 GHz quad-core processor for higher performance
- Optimized 8x8 5 GHz high-powered amplifiers design for wider coverage
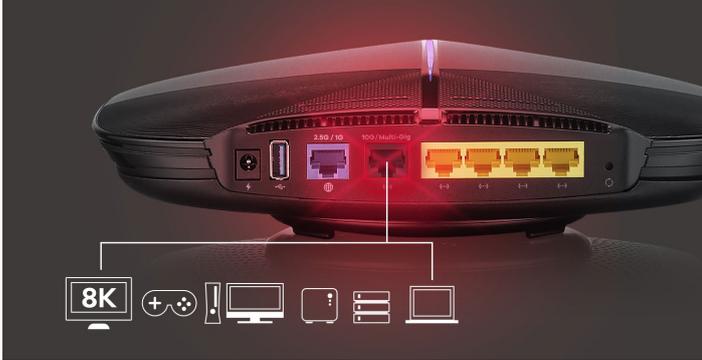- Remote access with OpenVPN, giving you additional privacy and protection
- Effortless installation and management with Armor app and web interface

Datasheet Armor G5

Benefits

Fastest multi-gig wired connection performance

Operate your local network at full capacity with Multi-gig solution! Armor is equipped with a multi-gig 10G/5G/2.5G/1G Ethernet LAN port which can be used to connect to multi-gig supported media servers, network attached storage devices, switches, and other devices capable of up to 10 Gbps speeds.
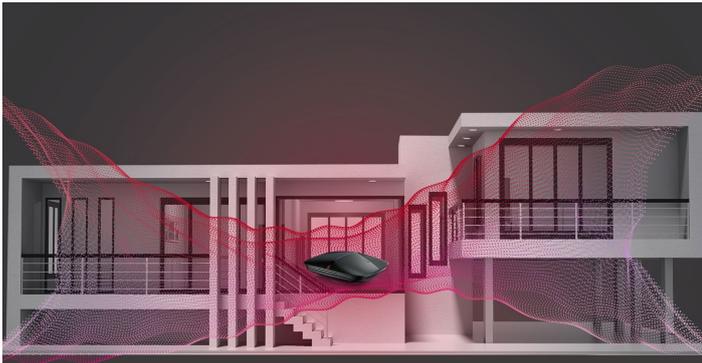

Amplify coverage with high-gain antennas

Armor G5 utilizes 8x8 5 GHz, 4x4 2.4 GHz high-powered amplifiers design which increases signal strength and lowers interference. Improved antennas' performance for maximum wireless coverage.

Keep ultrafast speeds on a busy network

Armor G5 dramatically increases network capacity and reduces latency for a better WiFi experience making it ideal for an environment with many connected devices. Enjoy stable wireless operations for 30+ applications like 4K/8K video, AR/VR, IoT devices everywhere in your home or office.
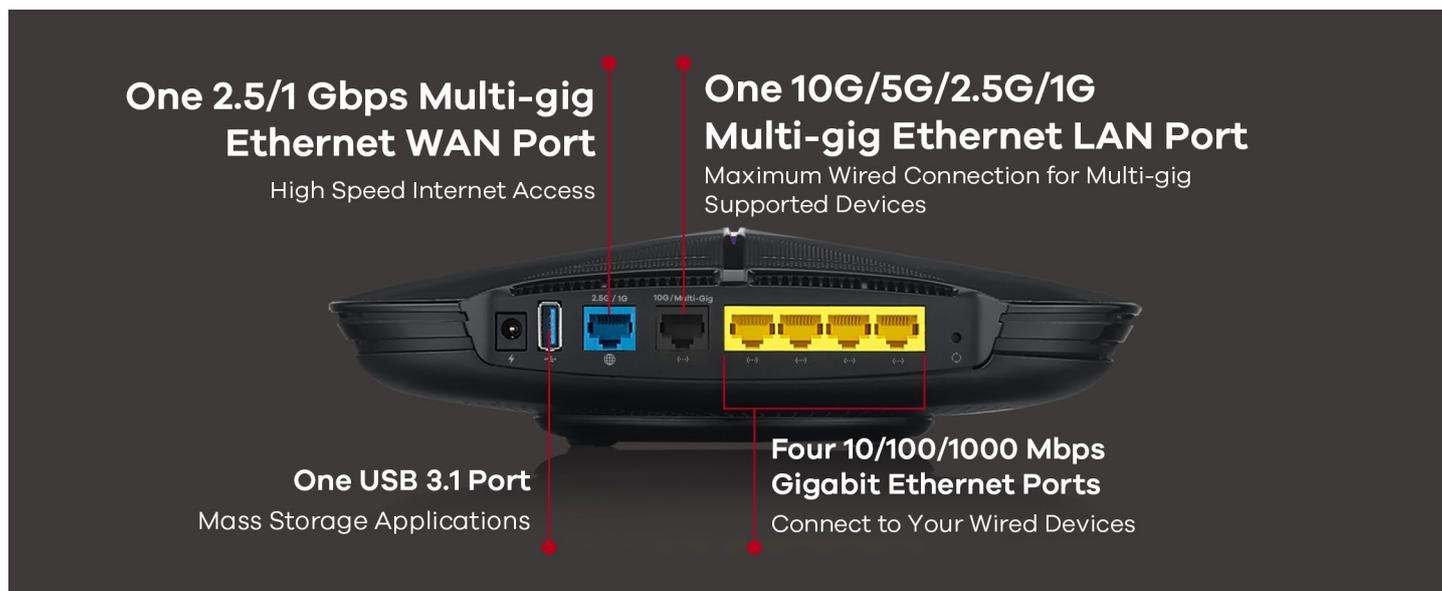

Stronger processor, larger memory

The 64-bit 2.2 GHz quad-core processor ensures top quality streaming experience without sacrificing performance. Optimized wireless throughput and low latency for overwhelming demands of multimedia, online gaming, HD audio/video chats, and many.

Reliable and flexible remote access OpenVPN

Armor G5 lets you to connect your private network safely with an easy-to-create OpenVPN, even when you're out and about while connected to WiFi networks that aren't your own!

Easy setup, effortless management

The Zyxel Armor app gives you full control over everything that happens on your network, anytime and anywhere! The web-based interface enables Armor to easily manage your network on a computer, including configuring accessibility features and monitoring network activities.

Interface Description

One 2.5/1 Gbps Multi-gig Ethernet WAN Port
High Speed Internet Access

One 10G/5G/2.5G/1G Multi-gig Ethernet LAN Port
Maximum Wired Connection for Multi-gig Supported Devices

One USB 3.1 Port
Mass Storage Applications

Four 10/100/1000 Mbps Gigabit Ethernet Ports
Connect to Your Wired Devices

Specifications

System Specifications

Wireless Speed
AX6000 (1200+4800 Mbps)

Standard Compliance
- IEEE 802.11 b/g/n/ax 2.4 GHz
- IEEE 802.11 b/n/ac/ax 5 GHz
- 2.4GHz AX: 4x4 (Tx/Rx) 1024 QAM 20/40 MHz, up to 1.2 Gbps
- 5GHz AX: 8x8 (Tx/Rx) 1024 QAM 20/40/80/160 MHz, up to 4.8 Gbps
- Compatible with 802.11a/b/g/n/ac WiFi standards

Transmission Speed
- Transmit:
  - 1200Mbps* for 2.4 GHz
  - 4800Mbps* for 5 GHz
- Receive:
  - 1200Mbps* for 2.4 GHz
  - 4800Mbps* for 5 GHz

Security
- IPSec Pass-Through
- PPTP Pass-Through
- L2TP Pass-Through
- VPN Support (OpenVPN)
- VPN Client Support
- WPA3-PSK
- WPS Support
- Guest Network
- Automatic Firmware Update

Wireless Features
- Guest WiFi
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM)
- Auto channel selection
- Wireless scheduling
- MAC address filtering

Wired Interface
- One 2.5G/1G WAN port
- One 10G/5G/2.5G/1G LAN port
- Four 1000/100/10 Mbps Gigabit Ethernet ports
- One USB 3.1 port

Routing Protocols
- WAN Type: Static IP, DHCP, PPPoE, PPTP
- IGMP v1/v2
- 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
- Diagnose & speed test
- Parental Control

App

Armor app
- Easy to setup
  - Support myZyxelCloud SSO (Single-Sign-On) system
  - Quick Bluetooth setup
  - Support combining/separating 2.4GHZ and 5GHZ WiFi network
- 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
- Diagnose network via speed test
  - Push notification
    - New device connected
    - New firmware available
    - Speed test result

- ▪ Remote management
- ▪ Automatic updates for new features
- ▪ Support iOS 9/Android 5.0 or later
- ▪ Support language: EN/ZH/DE/ES/FR/IT/PT/RU

Hardware Specifications

Ethernet Interface
- WAN: One 100M/1000M/2.5Gbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: One 100M/1000M/2.5G/5G/10Gbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: Four 10M/100M/1000Mbps Ethernet RJ-45 ports with auto MDI/MDIX support

CPU
- 64 bit quad-core 2.2 GHz

Memory
- 4GB Flash/1GB RAM

Antenna
- 13 Internal Antennas

Button
- Reset Button

Power Rating
- Power: 19V/2.1A
- Power Consumption: 39W max.

USB Features
- SMB
- CIFS
- FTP
- Printer Server

Physical Specs (per unit)
- Item dimensions (WxDxH): 248 x 182 x 66 mm (9.8 x 7.2 x 2.6 inch)
- Item weight: 1kg (2.2 lb.)
- Packing dimensions (WxDxH): 375 x 235 x 75 mm (14.8 x 9.3 x 3.0 inch)
- Packing weight: 1.8kg (4.0 lb.)

Environmental Specifications

Operating Environment
- Temperature: 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
- ARMOR G5 x1
- Power adapter x1
- Ethernet cable x1
- Quick start guide (warranty card included) x1

Certification
- Safety: CE-LVD, BSMI
- EMC: CE, FCC, BSMI, EAC

Voice Control
- Amazon Alexa

Support
- Forum: homeforum.zyxel.com
- App feedback included

* The maximum wireless data transfer rates of up to 1200 Mbps at 2.4 GHz and 4800 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.

** Multi-Gig Internet speeds require compatible service plans and equipment.

Download App

Q Zyxel Armor

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