

# ZyXEL



## Delivering the Ultimate 4K/Ultra HD Streaming Experience

- Up to gigabit class wireless performance
- StreamBoost™ technology — connect more devices without sacrificing performance
- Share and stream multimedia files on your network with USB 3.0 storage support
- ZyXEL OneConnect™ mobile app for quick network management and notification
- Web filtering and online time management

Deploy a powerful wireless network that can deliver fast wireless data speeds for lag free online multiplayer gaming experience and smoothly stream high-definition videos with the ZyXEL ARMOR Z1, AC2350 Dual-Band Wireless Gigabit Router.

Equipped with the latest 802.11ac technology the ZyXEL ARMOR Z1 delivers up to gigabit wireless speeds to the latest wireless devices utilizing 802.11ac technology. The ZyXEL ARMOR Z1 can also intelligently allocate the right amount of bandwidth with its StreamBoost™ technology so that even if you connect a lot of networking devices to the ARMOR Z1, it still manages to deliver a great networking experience to all of them.

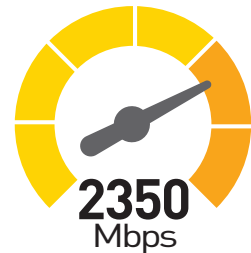
### Benefits

#### Blistering network speed

Connect your latest 802.11ac wireless equipped devices to the ZyXEL ARMOR Z1 router and get up to gigabit data transfer rate. Stream and watch movies in ultra-high-definition (UHD) quality without the pesky buffering stutter. Got fiber broadband connection? Download or upload digital contents wirelessly to the web faster.



**4K**  
ULTRA HD



**ARMOR Z1**  
AC2350 Dual-Band  
Wireless Gigabit Router

### Dual-core processing power

The ZyXEL ARMOR Z1 packs the power needed to handle multiple connections simultaneously. The potent dual-core 1.4 GHz processor helps the router juggle gaming, media streaming and other online tasks with no loss of network performance.



### Safe and scheduled web browsing

Filter offensive online contents for a cleaner and safer web browsing experience. Manage and restrict individual devices online network times to avoid constant bandwidth consumption and data usage overage.



### Bandwidth where it is needed with Smart QoS

The ZyXEL ARMOR Z1 allocates the right amount of bandwidth to each networked device automatically with its StreamBoost™ technology. Play an intense online multiplayer game, watch high-definition streaming movies, browse on your social network, download a large file, and do more all at the same time without experiencing any performance drop.



### Effective wireless connection by Beamforming

Instead of broadcasting signals everywhere in your home, ZyXEL ARMOR Z1 is equipped with Beamforming technology to focus and amplify its signal directly to your wireless connected device(s), allowing you to connect wirelessly online throughout your whole home

#### Standard



#### Beamforming



### Manage devices easily with One Connect app

Get a quick glance of all your ARMOR Z1 connected devices from your mobile device. Troubleshoot common issues with connected devices. Block unknown intruding devices from your network.



## Specifications

### System Specifications

#### Wireless Standard

- 802.11 b/g/n 2.4 GHz
- 802.11 a/n/ac 5 GHz

#### Wireless Speed

- Transmit:
  - 600 Mbps\* for 2.4 GHz
  - 1733 Mbps\* for 5 GHz
- Receive:
  - 600 Mbps\* for 2.4 GHz
  - 1733 Mbps\* for 5 GHz

#### Wireless Security

- WPA/WPA2, WPA-PSK/WPA2-PSK

#### Wireless Features

- Guest Wi-Fi
- Wi-Fi Protected Setup (WPS)
- Wi-Fi Multimedia (WMM)
- Auto channel selection
- Wireless scheduling
- Wireless output power management
- MAC address filtering

#### Routing

- Network Address Translation (NAT)
- Auto WAN type detection: static IP, DHCP, PPPoE
- DHCP server/client
- IGMP v1/v2
- Dynamic DNS
- Auto-IP change
- IPv6

#### VPN Pass-through

- IPSec/PPTP/L2TP

#### Firewall

- Stateful Packet Inspection (SPI)
- Deny of Service (DOS) Prevention

#### Application Control

- Smart QoS (StreamBoost™)
- Parental control
- Network service filter

#### USB Support

- Mass storage support by SMB/CIFS/FTP
- Print server

#### Media Server

- DLNA

#### System Management

- Online firmware upgrade
- Remote management
- Wake on LAN
- UPnP

#### Operation Mode

- Router mode
- Access point mode

### Hardware Specifications

- CPU: 1.4 GHz dual core processor
- Memory: 512 MB RAM and 4 GB eMMC
- WAN: One 10/100/1000 Mbps Ethernet RJ-45 port with auto MDI/MDIX support
- LAN: Four 10/100/1000 Mbps Ethernet RJ-45 ports with auto MDI/MDIX support
- LED indicator:
  - Power
  - Internet
  - Wireless (2.4 GHz)/WPS
  - Wireless (5 GHz)/WPS
- Four dual-band high power external antennas
- Buttons:
  - Wireless on/off
  - Power on/off
  - WPS
  - Reset
- Power: 12 V DC, 4 A
- Power consumption: 29 W watt max.

### Physical Specifications

- Item dimensions (WxDxH):  
297.7 x 207.8 x 71.5 mm (11.72" x 8.18" x 2.81")
- Item weight: 0.84 kg (1.85 lb.)
- Packing dimensions (WxDxH):  
423 x 254 x 92 mm (16.65" x 10" x 3.62")
- Packing weight: 1.84 kg (4.06 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 95% (Non-condensing)

### Certification

- Safety: CE-LVD
- EMC: CE, FCC

### Package Contents

- Wireless router
- Power adapter
- Ethernet cable
- Quick start guide
- Warranty card

\*The maximum wireless data transfer rates of up to 600 Mbps at 2.4 GHz and 1733 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.

### Application Diagram

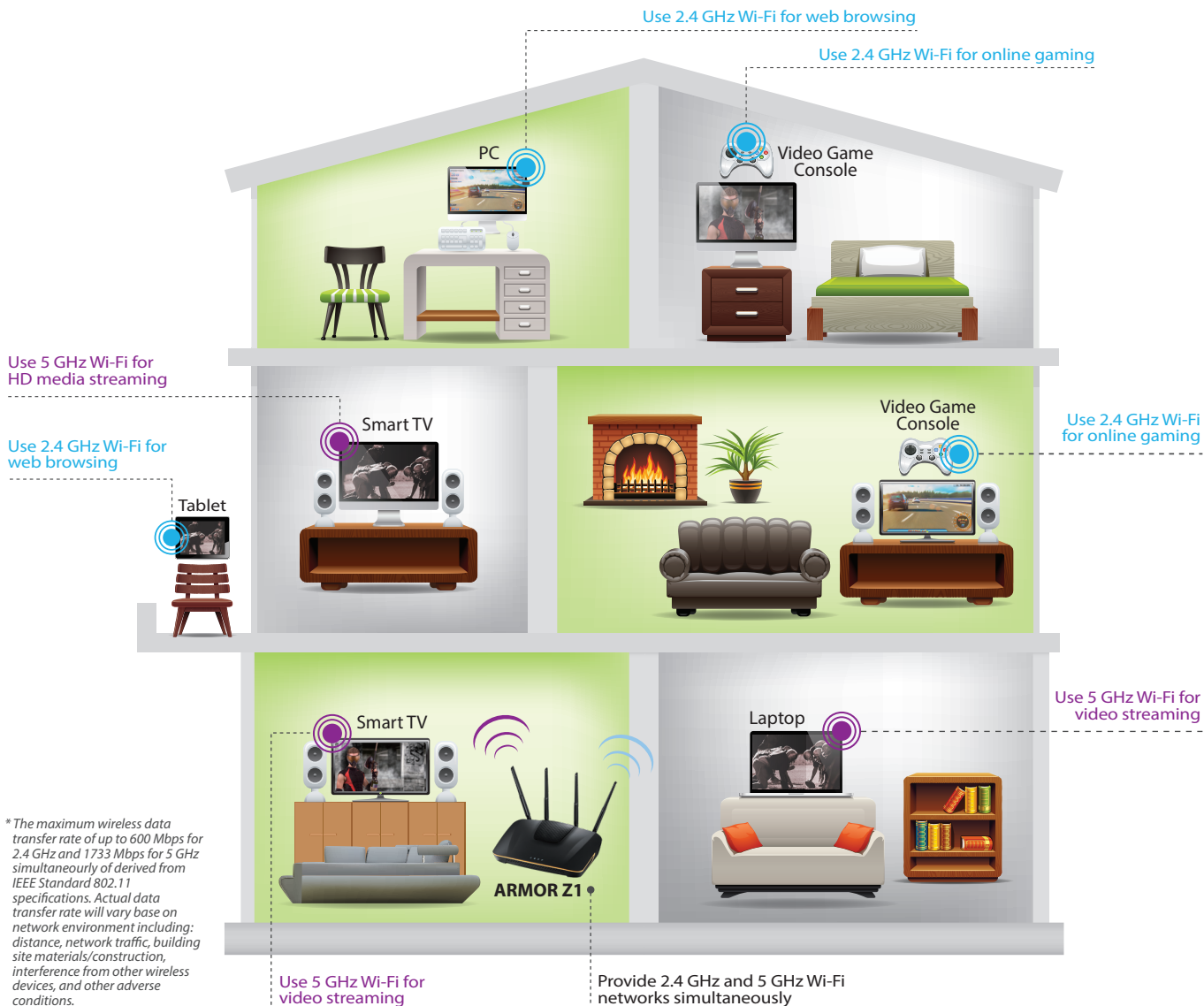
#### Whole Home Coverage



2.4 GHz  
Get wide Wi-Fi network coverage for your basic Internet needs including web browsing, social networking, and/or backing up your digital media.



5 GHz  
Experience seamless Wi-Fi network with smoother HD video streaming and lag free online gaming sessions.



\* The maximum wireless data transfer rate of up to 600 Mbps for 2.4 GHz and 1733 Mbps for 5 GHz simultaneously of derived from IEEE Standard 802.11 specifications. Actual data transfer rate will vary base on network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)



Copyright © 2015 ZyXEL Communications Corp. All rights reserved. ZyXEL, ZyXEL logo are registered trademarks of ZyXEL Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.

