ZyXEL

ZyXEL green
www.zyxel.com/green

- **300 Mbps* Wireless N with Gigabit Ethernet for optimized media streaming with whole-home coverage**
- **TR-069 remote management for easy installation**
- **Multiple SSIDs for various service deployments**
- **Utilization of Firewall protection**
- **VLAN enables Triple-Play services**

Advanced Wireless N Router for Better Triple-Play Services and Easy Management

Benefits

300 Mbps* Wireless N with Gigabit Ethernet for optimized media streaming with whole-home coverage

Interoperating with a FTTx or cable modem, the NBG4604 Wireless N Gigabit Managed Router integrates a Gigabit WAN port, a four-port Gigabit Ethernet switch and a 802.11b/g/n WLAN access point to offer a better platform for FTTx or cable infrastructure deployments. With better wireless performance and coverage than legacy wireless G gateways, the NBG4604 allows users to enjoy real-time IPTV, VoIP and online gaming with or without wires. With the NBG4604 deployed, telcos, cable operators and service providers can save the cost wiring the entire house, and provide home connectivity as well as Triple-Play services simultaneously at higher speeds of up to 300 Mbps* in multi-room home environments.

TR-069 remote management for easy installation

The TR-069 feature of the ZyXEL NBG4604 enables service providers to manage and configure the devices remotely without any end-user intervention. This feature offers a true "plug-and-play" experience while reducing deployment complexity, operational costs and maintenance expenses for service providers. With SNMP support, telco/cable operators/service providers can easily monitor the status of the NBG4604. Syslog feature also allows telco/cable operators/service providers to collect log messages from devices and analyze on the central log server.

Multiple SSIDs for various service deployments

Multiple SSIDs with VLAN function support on the ZyXEL NBG4604 allows telcos, cable operators and service providers to assign different policies and functions to each SSID for specific applications. This makes deploying one wireless network while fulfilling security needs for private home sharing and public access easier than before.

Utilization of firewall protection

The NBG4604 provides multiple state-of-the-art features helping the implementation of a secure and stable network; including the conventional wireless WEP/WPA/WPA2 encryption, integrated firewall support to Stateful Packet Inspection (SPI), Denial of Service (DoS) prevention and ICMP blocking.

NBG4604
Wireless N Gigabit Managed Router

Wireless Output Management | Wireless Scheduling | Wi-Fi PROTECTED SETUP | b g Wi-Fi n CERTIFIED®

ZyXEL

NBG4604
Wireless N Gigabit Managed Router

VLAN enables Triple-Play service

With the built-in VLAN features, the NBG4604 enables service providers to freely deploy their Triple-Play services. This increases network efficiency and productivity that enable service providers to offer Triple-Play services to meet the needs of residential users.

Two-level administration

Featuring a two-level administration mechanism, the NBG4604 enables telcos and service providers to utilize two different privilege levels for ensuring the administrative control to critical device configurations. The service providers can manage and configure the devices with full privilege on every parameter, while end-users are only granted with partial administration right to perform basic configuration tasks such as wireless scheduling and SSID setting.

Green router saves energy

The NBG4604 helps avoiding unnecessary energy costs and protecting the environment. Based on user demands and preferences, the Wi-Fi access can be configured to turn on or off automatically. Additionally, there are six different levels of wireless output that can be adjusted for the environment; this not only saves energy but also enhances WLAN security.

Specifications

System Specifications

Wireless Standard
• 802.11b/g/n

Wireless Transfer Rate
• Transmit: 300 Mbps*
• Receive: 300 Mbps*

Wireless Security
• WEP, WPA-PSK, WPA2-PSK, WPA, WPA2

Wireless Features
• Wi-Fi Protected Setup (WPS)
• AP mode
• Wireless scheduler
• Output power management
• Intra-BSS traffic block
• Channel auto scan
• MAC filtering
• Multiple SSID

IP Routing
• NAT (NAT session: 16000)
• DHCP server on LAN
• PPPoE/PPTP/DHCP client on WAN
• IGMP v1/v2
• IGMP proxy
• DDNS

VPN Pass-through
• IPSec
• PPTP
• L2TP

VLAN
• 802.1Q port/tag based VLAN
• VLAN to ETH port mapping
• Bridged/routed VLAN support

Firewall
• SPI
• DoS
• ICMP blocking
• WAN-to-WAN Access Control List (ACL)

Management
• HTTP/HTTPS
• TR-069
• SNMP v1/v2c with MIB II
• Syslog
• Firmware upgrade through FTP
• Two-level administration
• Factory default customization
• Text-based configuration

Hardware Specifications
• LAN: Four 10/100/1000 Mbps Ethernet RJ-45 connectors with auto MDI/MDIX support
• WAN: One 10/100/1000 Mbps Ethernet RJ-45 connectors with auto MDI/MDIX support
• LED indicator
  ▪ Power
  ▪ LAN (1~4)
  ▪ WAN
  ▪ Wireless
  ▪ WPS
• Two 2 dBi external detachable antennas
• WPS button
• Reset button
• Power: DC 12 V, 1 A

Physical Specifications
• Item dimensions (WxDxH):
  162 x 106 x 28 mm (6.38" x 4.17 " x 1.1")
• Item weight: 245 g (0.54 lb.)
• Packing dimensions (WxDxH):
  247 x 155 x 61 mm (9.72" x 6.1" x 2.4")
• Packing weight: 500 g (1.1 lb.)

Environmental Specifications

Operating environment:
• Temperature: 0°C to 40°C (32°F to 104°F)
• Humidity: 20% to 90% (Non-condensing)

Storage environment:
• Temperature: -30°C to 70°C (-22°F to 158°F)
• Humidity: 20% to 95% (Non-condensing)

Certifications
• Safety: CE LVD
• EMC: CE, FCC
• Others: Wi-Fi 11b/g/n, WPS

Package Contents
• Wireless router
• Two detachable antennas
• Power adapter
• Ethernet cable
• Quick start guide
• Support CD
• Warranty card

The maximum wireless data transfer rate is derived from IEEE Standard 802.11 specifications. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

Application Diagram

Internet — ONT/xDSL/Cable Modem — NBG4604 Wireless N Gigabit Managed Router — NSA221 2-Bay Media Server — Game Console — NWD2205 Wireless N USB Adapter — DMA2501 Full HD Digital Media Streamer — Ethernet

For more product information, visit us on the web at www.ZyXEL.com