

Model 4504



Wireless-N Router

links 3G, 4G, LTE™, DSL, or Cable Internet to
your Wi-Fi® and Ethernet devices

- **Plug in a modem, iPhone® or Android™ phone and share high-speed Internet with computers, tablets, handhelds and other Wi-Fi and Ethernet devices.**
- **High-performance Wireless-N router ideal for home or office**



The Model 4504 is a Wireless-N router with four-port switch that allows sharing of a 3G, 4G, LTE, DSL or cable Internet service by Wi-Fi and Ethernet devices. Simply plug a 3G/4G USB modem, iPhone, Android phone, DSL modem or cable modem into the 4504 and computers, tablets, handhelds and other Wi-Fi or Ethernet devices can access the Internet. The 4504 provides an excellent range with coverage of up to 330 feet indoors and 990 feet outdoors, depending upon the environment.

The 4504 provides wireless LAN speeds of up to 150 Mbps and includes a four-port 10/100 Ethernet Switch, one 10/100 Ethernet WAN port for interface to a DSL or cable modem, and one USB 2.0 host port for interface to a 3G/4G modem or tethered smartphone. Wired and wireless routing with security can be added to a DSL modem or cable modem using the Ethernet WAN port. When connected to both a cellular and wired broadband connection, the 4504 provides automatic cellular backup to the wired broadband connection.

The 4504 can also provide an improved cellular data connection where the signal strength is low. Place the 4504 and a cellular modem or tethered smartphone where the cellular signal is the best, typically near a window. Then the Model 4504 will complete the connection to local Wi-Fi devices through extended-range Wireless-N. The 4504 can also be configured as a wireless LAN repeater to extend the range of your local network and includes WDS (Wireless Distribution System) support.

The 4504 is significantly better than a smartphone hotspot in:

- wireless range
- security
- number of devices supported
- conservation of the cell phone battery
- router capabilities

In many cases, the 4504 will charge a tethered smartphone battery, a significant benefit over a smartphone hotspot application, which very quickly depletes the battery.

The 4504 provides an extensive list of advanced router features, including robust firewalls, VPN Pass-through, DHCP server, Quality of Service (QoS) and will support up to 253 client devices. The 4504 also supports a wide range of Internet service connection protocols, including static IP, DHCP client, PPTP, L2TP, PPPoE, 3G, 4G, and LTE. These can be set up easily by using the 4504's built-in browser interface and setup wizard, or Universal Plug and Play. SNMP is also supported for more advanced network management. Wireless security setup includes WEP, WPA and WPA2 with simplified setup using WPS (Wi-Fi Protected Setup).

The 4504 has a detachable external antenna with pivoting position adjustment for Wireless-N connections.

The 4504 is widely compatible with USB mobile broadband modems, iPhones, and Android smartphones. Zoom regularly updates the Model 4504 to support new USB modems. Please check www.zoomtel.com/router/comp for the updated list.

Wireless-N Router for 3G, 4G, LTE, DSL, or Cable Modems

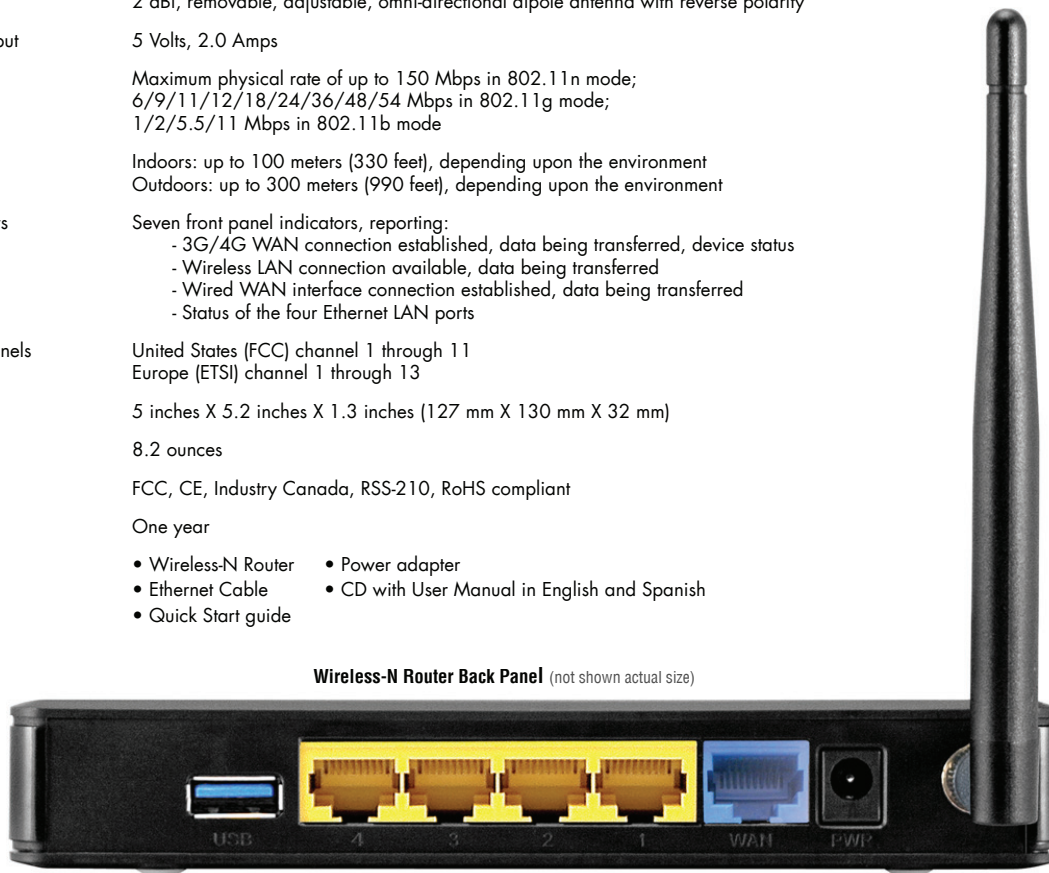
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Configurable as either a **Broadband Router** or as a **Wireless Repeater** to extend the range of a network

Wireless LAN standards	IEEE 802.11n, IEEE 802.11b/g operating at up to 150 Mbps
Interfaces	<ul style="list-style-type: none">• 1 X RJ45, 10/100 Mbps port for wired WAN interface• 4 X RJ45, 10/100 Mbps port for wired LAN networking• 1 X USB 2.0 Host for 3G/4G modem or tethered smartphone• WPS button, reset button
Wireless LAN security	<ul style="list-style-type: none">• 64/128 bits WEP (Wired Equivalent Privacy)• WPA (Wi-Fi Protected Access) and WPA2• SSID stealth; WPS for easy security setup
Internet security	<ul style="list-style-type: none">• Stateful Packet Inspection (SPI) Firewall• Network Address Translation (NAT)• Denial of Service (DoS) attack detection• Virtual Private Networking (PPTP, L2TP, IPSec) pass through• MAC, Packet, and Domain name filtering• URL Blocking
Management	<ul style="list-style-type: none">• Universal Plug and Play (UPnP)• Browser based management• Wizard-assisted setup• Simple Network Management Protocol (SNMP) support
Advanced router functions	<ul style="list-style-type: none">• Quality of Service (QoS) support• URL Blocking/Filtering (parental control)• Scheduling rules (parental control)• Dynamic DNS• Virtual Server, Port triggering, and DMZ host• Configuration Backup/Restore• Wireless Distribution System (WDS) support• Wireless Multimedia Extension (WME), Wi-Fi Multimedia (WMM) support
VPN support	<ul style="list-style-type: none">• IPsec, L2TP, PPTP VPN passthrough• PPTP, L2TP connection
Supported WAN protocols	3G; 4G, LTE; Static IP Address; Dynamic IP Address; PPP over Ethernet; PPTP WAN type; L2TP WAN type
Antenna SMA plug	2 dBi, removable, adjustable, omni-directional dipole antenna with reverse polarity
Power adapter output	5 Volts, 2.0 Amps
Transmission rates	Maximum physical rate of up to 150 Mbps in 802.11n mode; 6/9/11/12/18/24/36/48/54 Mbps in 802.11g mode; 1/2/5.5/11 Mbps in 802.11b mode
Range coverage	Indoors: up to 100 meters (330 feet), depending upon the environment Outdoors: up to 300 meters (990 feet), depending upon the environment
LED status indicators	Seven front panel indicators, reporting: <ul style="list-style-type: none">- 3G/4G WAN connection established, data being transferred, device status- Wireless LAN connection available, data being transferred- Wired WAN interface connection established, data being transferred- Status of the four Ethernet LAN ports
Wireless LAN channels frequency range	United States (FCC) channel 1 through 11 Europe (ETSI) channel 1 through 13
Dimensions	5 inches X 5.2 inches X 1.3 inches (127 mm X 130 mm X 32 mm)
Weight	8.2 ounces
Certifications	FCC, CE, Industry Canada, RSS-210, RoHS compliant
Warranty	One year
Package contents	<ul style="list-style-type: none">• Wireless-N Router• Ethernet Cable• Quick Start guide• Power adapter• CD with User Manual in English and Spanish

Compatibility with USB mobile broadband modems and smartphones

The Zoom Wireless-N Router is compatible with almost every mobile broadband USB modem ever built, including modems from AT&T®, Novatel™, Sprint™, Sierra Wireless™, T-Mobile®, Verizon®, Virgin®, and many more. The Router also supports phone tethering for the iPhone®, Android™ smartphones, and others. Support of some smartphones depends on the operating system revision number for that smartphone. To check compatibility, please go to www.zoomtel.com/router/comp



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