







Product Briefing

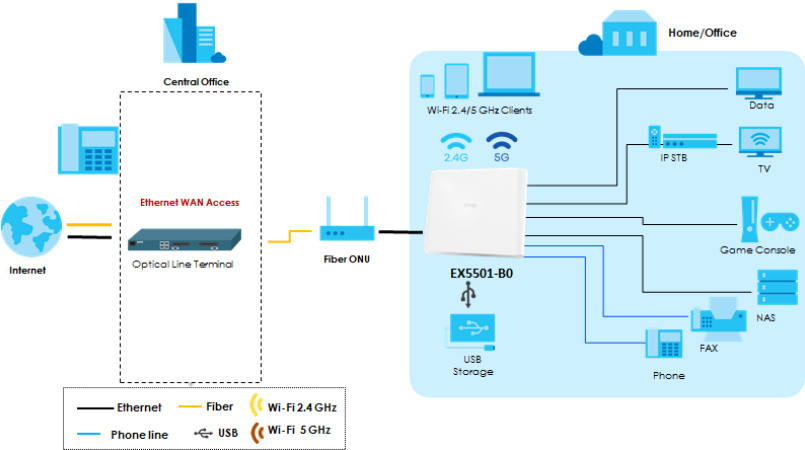
*Required


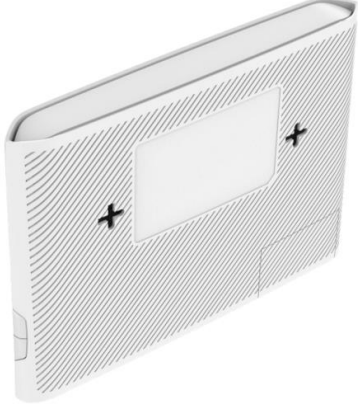
*Model Name	EX5501-B Series
*Product Name	Dual-Band Wireless AX Gigabit Ethernet VoIP IAD
Product Introduction	<p>The Zyxel EX5501-B Series supports dual-band wireless AX with 2.5 Giga Ethernet Internet access to give you delightful wireless experiences in your ultra-connected home.</p> <p>Base on the 11AX (WiFi 6) technology, the Zyxel EX5501-B Series delivers speeds of up to 4.8 Gbps on the 5 GHz band and 1.1 Gbps on 2.4 GHz with an average throughput 4 times faster than 11ac. Besides, AX WiFi also optimizes bandwidth utilization to increase network capacity and the number of simultaneous streams, which allow more users to enjoy connection with extremely low latency.</p>
*Key Features	<ul style="list-style-type: none"> <li data-bbox="571 1115 1315 1227">  Dual-Band wireless support for 2.4G and 5G to support excellent HD media experience for mobile devices and desktops <li data-bbox="571 1261 1091 1373">  802.11ax (WiFi 6) for superior performance and coverage <li data-bbox="571 1406 1107 1518">  Auto provisioning and remote management through TR-069 <li data-bbox="571 1574 1123 1686">  Multiple SSIDs for various service deployment scenarios <li data-bbox="571 1742 1219 1854">  Support uplink/downlink MU-MIMO for increased network capacity

	 <p>Support OFDMA for maximized network efficiency</p>
<p>* Benefits</p>	<p>Lightning-fast next-generation technology</p> <p>The Zyxel EX5501-B Series Dual-Band Wireless AX Gigabit Ethernet VoIP IAD supports the 802.11ax (WiFi 6) standard to offer lightning-fast throughputs of up to 6000 Mbps. The performance enables operators to provide UHD 4K/8K services to subscribers and hybrid high-throughput applications in homes for a true IoT lifestyle.</p> <p>Maximize network capacity for more devices</p> <p>Support by the unique uplink MU-MIMO, users can enjoy interactive applications such as VR or AR with less latency. Moreover, the revolutionary OFDMA (Orthogonal Frequency Division Multiple Access) technology improves average throughputs to considerably shorten latency and increase network efficiency.</p> <p>Multi-Giga Internet Access</p> <p>The Zyxel EX5501-B Series supports one 2.5 Giga Ethernet WAN and five Gigabit LAN ports for multiple user connection in the area; and it also delivers wireless speeds of up to 5 Gbps* on the 5 GHz band and 1 Gbps* on 2.4 GHz.</p>
<p>* Work with Products</p>	
<p>*System Specifications</p>	<p>Wireless Standards</p> <ul style="list-style-type: none"> - IEEE 802.11 b/g/n/ac/ax 2.4 GHz - IEEE 802.11 a/n/ac/ax 5 GHz <p>Wireless Transfer Rates</p> <ul style="list-style-type: none"> - Transmit: 802.11ax (2.4 GHz) : up to 1148 Mbps 802.11ax (5 GHz) : up to 4804 Mbps

	<p>Wireless Security</p> <ul style="list-style-type: none">- WPA2, WPA2-PSK, <p>WLAN Features</p> <ul style="list-style-type: none">- Auto channel selection- WiFi Multimedia (WMM)- Wireless scheduling- Wireless output power management- Multiple SSID up to 4- WiFi Protected Setup (WPS)- Intra-BSS traffic block- MAC address filtering- WPS 2.0 <p>Firewall</p> <ul style="list-style-type: none">- IPv4 / IPv6 firewall (Stateful Packet Inspection)- Denial-of-Service (DoS) attack prevention- ICMP blocking <p>Routing</p> <ul style="list-style-type: none">- IPv4/IPv6- NAT- Port forwarding- WAN connection type: DHCP, PPPoE- DHCP Option 60/121/125- DHCP server on LAN- IGMP v1/v2- IGMP Proxy- Dynamic DNS <p>VPN Pass-through</p> <ul style="list-style-type: none">- PPTP- L2TP- IPSec
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	<p>VLAN</p> <ul style="list-style-type: none"> - 802.1q tag/tag based VLAN - VLAN to ETH port mapping - Bridged/routed VLAN support <p>Management</p> <ul style="list-style-type: none"> - Web GUI (HTTP/HTTPS) - TR-069/TR-098/TR-181 - SNMP v1/v2c & MIB II - Firmware upgrade through GUI/TR-069 - 2-tier level access and administration <p>Other</p> <ul style="list-style-type: none"> - Content filter - Parental control - USB file sharing
<p>*Hardware Specifications</p>	<p>WAN</p> <ul style="list-style-type: none"> - One 10/100/1000 Mbps/ 2.5 GbE RJ-45 port <p>LAN</p> <ul style="list-style-type: none"> - Four 10/100/1000 Mbps Ethernet RJ-45 ports - One 10/100/1000 Mbps/ 2.5 GbE RJ-45 port <p>VoIP</p> <ul style="list-style-type: none"> - Two FXS ports <p>USB</p> <ul style="list-style-type: none"> - One USB 3.0 host <p>LED indicators</p> <ul style="list-style-type: none"> - Power - Ethernet WAN - Internet - 2.5G LAN - LAN1 - LAN2 - LAN3 - LAN4 - WLAN/WPS

	<ul style="list-style-type: none"> - Phone - USB <p>Button</p> <ul style="list-style-type: none"> - Power On/Off - Wireless On/Off - WPS - Reset
<p>*Power Consumption</p>	<p>12V DC, 3.5 A 42 Watt max</p>
<p>*Physical Specifications</p>	<ul style="list-style-type: none"> - Item Weight: TBD - Item Dimensions: 187x 250 x 32 mm - Packing Weight: TBD - Packing Dimensions: TBD
<p>*Environmental Specifications</p>	<p>Operating Environment:</p> <ul style="list-style-type: none"> -Temperature: 0°C ~ 40°C / 32°F ~ 104°F -Humidity: 10% ~ 90% (Non-condensing) <p>Storage Environment:</p> <ul style="list-style-type: none"> -Temperature: -30°C ~ 70°C / -22°F ~ 158°F -Humidity: 10% ~ 95% (Non-condensing)
<p>*Certification</p>	<ul style="list-style-type: none"> - CE
<p>Package Contents</p>	<ul style="list-style-type: none"> - Wireless router - Power adapter - Ethernet cable - Quick start guide
<p>*Application Diagram</p>	

Front Panel	
Rear Panel	
Others	<p>*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.</p>