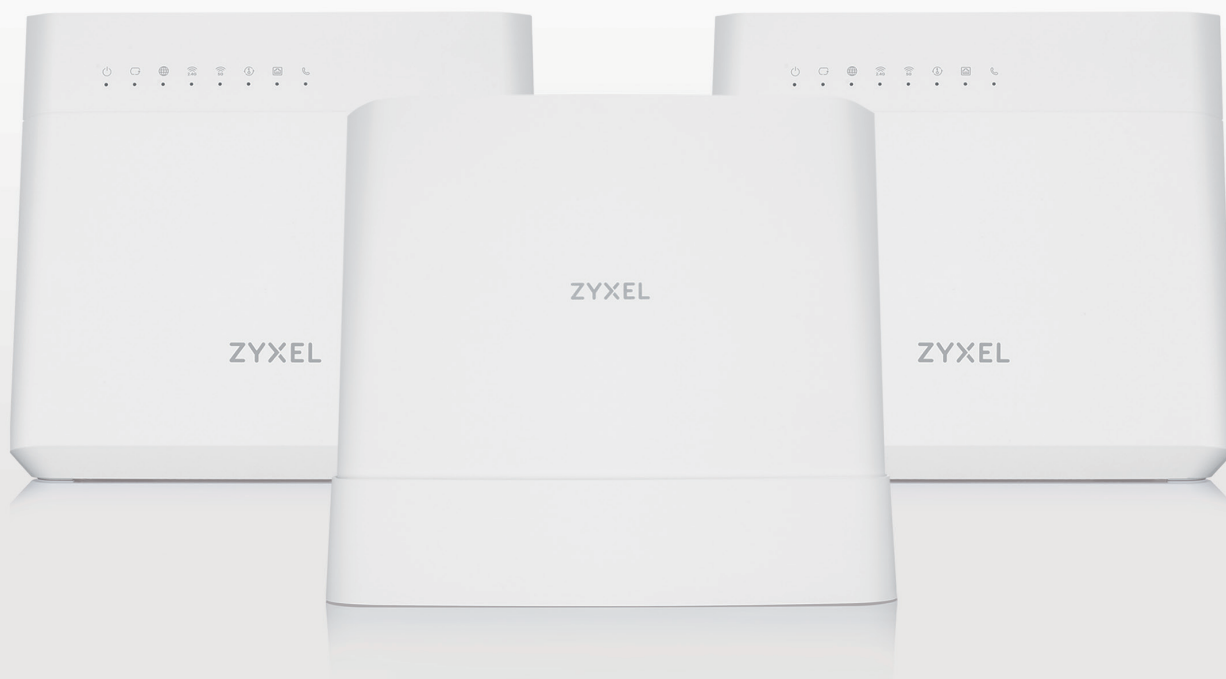


# ZYXEL

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## WiFi 6

Quick Sales Guide



# WiFi 6 Product Portfolio

	DSL	Ethernet	
VoIP IAD	 <p><b>DX5301-B0</b> Wireless AX5400 VDSL2 Gigabit VoIP IAD</p> <ul style="list-style-type: none"><li>EasyMesh</li><li>OPAL</li><li>SFP</li><li>HA<sup>2</sup></li></ul>	 <p><b>EX5501-B0</b> Wireless AX6000 Gigabit Ethernet VoIP IAD</p> <ul style="list-style-type: none"><li>2.5G WAN</li><li>EasyMesh</li><li>OPAL</li></ul>	 <p><b>EX5301-B0</b> Wireless AX5400 Gigabit Ethernet VoIP IAD</p> <ul style="list-style-type: none"><li>EasyMesh</li><li>OPAL</li><li>HA<sup>2</sup></li></ul>
WiFi Extender		 <p><b>WX7700-NO</b> Wireless AX11000 Gigabit Wireless Extender</p> <ul style="list-style-type: none"><li>2.5G WAN</li><li>EasyMesh</li></ul>	

## Active Fiber



- 10G Fiber
- SFP+
- EasyMesh
- OPAL

**AX7501-B0**  
Wireless AX6000  
10G PON VoIP IAD  
with SFP+

## PON



- 10G Fiber
- EasyMesh
- OPAL

**PX7501-B0**  
Wireless AX6000  
10G PON VoIP IAD

# WiFi 6 Key Features

Category	Models	Key Features
<b>DSL</b>	DX5301-B0	<ul style="list-style-type: none"> <li>• 2.4 GHz 2x2 ax + 5 GHz 4x4 ax</li> <li>• Auto provisioning and remote management through TR-069/TR-181</li> <li>• Zyxel Patented HA<sup>2</sup> Antenna</li> <li>• Support uplink/downlink MU-MIMO and OFDMA for maximized network efficiency</li> <li>• EasyMesh support</li> <li>• SFP cage supports to enable optical deployments</li> <li>• Zyxel OPAL realizes the flexibility and faster time to market</li> </ul>
<b>Ethernet</b>	EX5501-B0	<ul style="list-style-type: none"> <li>• 2.4 GHz 4x4 ax + 5 GHz 4x4 ax</li> <li>• Auto provisioning and remote management through TR-069/TR-181</li> <li>• Support uplink/downlink MU-MIMO and OFDMA for maximized network efficiency</li> <li>• EasyMesh support</li> <li>• Zyxel OPAL realizes the flexibility and faster time to market</li> </ul>
	EX5301-B0	<ul style="list-style-type: none"> <li>• 2.4 GHz 2x2 ax + 5 GHz 4x4 ax</li> <li>• Auto provisioning and remote management through TR-069/TR-181</li> <li>• Zyxel Patented HA<sup>2</sup> Antenna</li> <li>• Support uplink/downlink MU-MIMO and OFDMA for maximized network efficiency</li> <li>• EasyMesh support</li> <li>• Zyxel OPAL realizes the flexibility and faster time to market</li> </ul>
<b>Active Fiber</b>	AX7501-B0	<ul style="list-style-type: none"> <li>• 2.4 GHz 4x4 ax + 5 GHz 4x4 ax</li> <li>• Integrated Internet services through 10G fiber</li> <li>• Auto provisioning and remote management through TR-069/TR-181</li> <li>• Flexible design to support both passive and active fiber</li> <li>• Support uplink/downlink MU-MIMO and OFDMA for maximized network efficiency</li> <li>• EasyMesh support</li> <li>• Zyxel OPAL realizes the flexibility and faster time to market</li> </ul>
<b>PON</b>	PX7501-B0	<ul style="list-style-type: none"> <li>• 2.4 GHz 4x4 ax + 5 GHz 4x4 ax</li> <li>• Integrated Internet services through 10G fiber</li> <li>• Auto provisioning and remote management through TR-069/TR-181</li> <li>• Support uplink/downlink MU-MIMO and OFDMA for maximized network efficiency</li> <li>• EasyMesh support</li> <li>• Zyxel OPAL realizes the flexibility and faster time to market</li> </ul>
<b>Extender</b>	WX7700-N0	<ul style="list-style-type: none"> <li>• 2.4 GHz 4x4 ax + 5 GHz 8x8 ax</li> <li>• Auto provisioning and remote management through TR-069/TR-181</li> <li>• Support uplink/downlink MU-MIMO and OFDMA for maximized network efficiency</li> <li>• EasyMesh support</li> </ul>

# WiFi 6 Feature Matrix

## DSL

<b>Model</b>	<b>DX5301-B0</b>
<b>Product name</b>	Dual-Band Wireless AX5400 VDSL2 Gigabit VoIP IAD
<b>Hardware</b>	
<b>WAN interface</b>	DSL RJ-11/RJ45/GbE/SFP
<b>Ethernet port (10/100/1000)</b>	5 (1 for Ethernet WAN)
<b>POTS FXS port</b>	2
<b>USB port</b>	1 (USB 3.0)
<b>Voice</b>	
<b>SIP v2 (RFC 3261)</b>	Yes
<b>SDP (RFC 2327)</b>	Yes
<b>RTP (RFC 1889)</b>	Yes
<b>RTCP (RFC 1890)</b>	Yes
<b>G.168 echo cancellation</b>	Yes
<b>VAD/CNG</b>	Yes
<b>CODEC</b>	G.711 a/u law/G.726/G.722/G.729
<b>DTMF detection</b>	Yes
<b>DTMF: In-band and out-of-band</b>	Yes
<b>QoS (IP bandwidth management)</b>	Yes
<b>ToS support</b>	Yes
<b>Phonebook</b>	Yes
<b>FAX, modem detection and pass-through</b>	Yes
<b>T.38 FAX</b>	Yes
<b>IVR</b>	Yes
<b>Call waiting</b>	Yes
<b>Call hold</b>	Yes
<b>Call transferring</b>	Yes
<b>Call forwarding</b>	Yes
<b>Do not disturb</b>	Yes
<b>Three way conference</b>	Yes
<b>Flexible dial plan</b>	Yes
<b>DSL compliance</b>	
<b>Standards/Profile</b>	VDSL2 Vectoring (up to 35b)/ADSL2+
<b>Wireless</b>	
<b>WLAN</b>	2.4 GHz 2x2 ax + 5 GHz 4x4 ax
<b>Firewall</b>	
<b>Stateful packet inspection</b>	Yes
<b>Denial of service</b>	Yes
<b>VPN</b>	
<b>IPSec (Pass thru)</b>	Yes
<b>Network</b>	
<b>TCP/IP</b>	Yes
<b>PPPoE</b>	Yes
<b>DHCP client/server/relay</b>	Yes
<b>PPPoA</b>	Yes
<b>DHCP server</b>	Yes
<b>UPnP</b>	Yes
<b>IP policy routing</b>	Yes
<b>Multi-to-multi NAT</b>	Yes
<b>Dynamic DNS (DDNS)</b>	Yes
<b>IGMP</b>	Yes
<b>Management</b>	
<b>Web configurator</b>	Yes
<b>TR-069/TR-181 i2</b>	Yes
<b>Remote firmware upgrade</b>	Yes
<b>SNMP</b>	Yes
<b>Physical specifications</b>	
<b>Dimensions (WxDxH) (mm/in.)</b>	216 x 31 x 194/8.5 x 1.21 x 7.63
<b>Weight (g/lb.)</b>	549/1.21

# WiFi 6 Feature Matrix

## Ethernet

Model	EX5501-B0	EX5301-B0
<b>Product name</b>	Dual-Band Wireless AX6000 Gigabit Ethernet VoIP IAD	Dual-Band Wireless AX5400 Gigabit Ethernet VoIP IAD
<b>Hardware</b>		
<b>WAN interface</b>	RJ45/GbE/SFP	RJ45/GbE/SFP
<b>Ethernet port (10/100/1000)</b>	5 (1 for 2.5GbE Ethernet WAN)	5 (1 for Ethernet WAN)
<b>POTS FXS port</b>	2	2
<b>USB port</b>	1 (USB 3.0)	1 (USB 3.0)
<b>Voice</b>		
<b>SIP v2 (RFC 3261)</b>	Yes	Yes
<b>SDP (RFC 2327)</b>	Yes	Yes
<b>RTP (RFC 1889)</b>	Yes	Yes
<b>RTCP (RFC 1890)</b>	Yes	Yes
<b>G.168 echo cancellation</b>	Yes	Yes
<b>VAD/CNG</b>	Yes	Yes
<b>CODEC</b>	G.711 a/u law/G.726/G.722/G.729	G.711 a/u law/G.726/G.722/G.729
<b>DTMF detection</b>	Yes	Yes
<b>DTMF: In-band and out-of-band</b>	Yes	Yes
<b>QoS (IP bandwidth management)</b>	Yes	Yes
<b>ToS support</b>	Yes	Yes
<b>Phonebook</b>	Yes	Yes
<b>FAX, modem detection and pass-through</b>	Yes	Yes
<b>T.38 FAX</b>	Yes	Yes
<b>IVR</b>	Yes	Yes
<b>Call waiting</b>	Yes	Yes
<b>Call hold</b>	Yes	Yes
<b>Call transferring</b>	Yes	Yes
<b>Call forwarding</b>	Yes	Yes
<b>Do not disturb</b>	Yes	Yes
<b>Three way conference</b>	Yes	Yes
<b>Flexible dial plan</b>	Yes	Yes
<b>Wireless</b>		
<b>WLAN</b>	2.4 GHz 4x4 ax + 5 GHz 4x4 ax	2.4 GHz 2x2 ax + 5 GHz 4x4 ax
<b>Firewall</b>		
<b>Stateful packet inspection</b>	Yes	Yes
<b>Denial of service</b>	Yes	Yes
<b>VPN</b>		
<b>IPSec (Pass thru)</b>	Yes	Yes
<b>Network</b>		
<b>TCP/IP</b>	Yes	Yes
<b>PPPoE</b>	Yes	Yes
<b>DHCP client/server/relay</b>	Yes	Yes
<b>PPPoA</b>	Yes	Yes
<b>DHCP server</b>	Yes	Yes
<b>UPnP</b>	Yes	Yes
<b>IP policy routing</b>	Yes	Yes
<b>Multi-to-multi NAT</b>	Yes	Yes
<b>Dynamic DNS (DDNS)</b>	Yes	Yes
<b>IGMP</b>	Yes	Yes
<b>Management</b>		
<b>Web configurator</b>	Yes	Yes
<b>TR-069/TR-181 i2</b>	Yes	Yes
<b>Remote firmware upgrade</b>	Yes	Yes
<b>SNMP</b>	Yes	Yes
<b>Physical specifications</b>		
<b>Dimensions (WxDxH) (mm/in.)</b>	250 x 32 x 187/9.84 x 1.26 x 7.36	216 x 31 x 194/8.5 x 1.21 x 7.63
<b>Weight (g/lb.)</b>	473/1.045	549/1.21

# WiFi 6 Feature Matrix

## Fiber

Model	Active Fiber	PON
	AX7501-B0	PX7501-B0
<b>Product name</b>	Dual-Band Wireless AX6000 10G PON VoIP IAD with SFP+	Dual-Band Wireless AX6000 10G PON VoIP IAD
<b>Hardware</b>		
<b>WAN interface</b>	SFP+ for Fiber	XGS-PON
<b>Ethernet port (10/100/1000)</b>	5 (1 for 10G LAN)	5 (1 for 10G LAN)
<b>POTS FXS port</b>	2	2
<b>USB port</b>	1 (USB 3.0)	1 (USB 3.0)
<b>PON</b>		
<b>Standard compliance</b>	-	ITU-T G.9807.1/G.988
<b>PMD class (ITU G.984.2)</b>	-	B+
<b>Physical distance support (km)</b>	20	20
<b>Wavelength support (nm)(DS/US)</b>	1577/1270	1577/1270
<b>Speed (Gbps)(DS/US)</b>	9.95328/9.95328	9.95328/9.95328
<b>T-CONTs/ GEM ports</b>	8/ 32	8/ 32
<b>Priority queue per T-CONT</b>	8	8
<b>Dynamic Bandwidth Allocation (DBA)</b>	Yes	Yes
<b>Forward Error Correction (FEC) DS/ US</b>	Yes	Yes
<b>Advanced Encryption Standard (AES) DS</b>	Yes	Yes
<b>GEM header removal/insertion and data extraction/segmentation</b>	Yes	Yes
<b>Voice</b>		
<b>SIP v2 (RFC 3261)</b>	Yes	Yes
<b>SDP (RFC 2327)</b>	Yes	Yes
<b>RTP (RFC 1889)</b>	Yes	Yes
<b>RTCP (RFC 1890)</b>	Yes	Yes
<b>CODEC</b>	G.711a/u, G.726-32, G.729	G.711a/u, G.726-32, G.729
<b>Wireless</b>		
<b>WLAN</b>	2.4 GHz 4x4 ax + 5 GHz 4x4 ax	2.4 GHz 4x4 ax + 5 GHz 4x4 ax
<b>Firewall</b>		
<b>Stateful packet inspection</b>	Yes	Yes
<b>Denial of service</b>	Yes	Yes
<b>VPN</b>		
<b>IPSec (pass thru)</b>	Yes	Yes
<b>Network</b>		
<b>IEEE 802.1D transparent bridge</b>	Yes	Yes
<b>IGMP V1/v2/ v3, fast leave/ snooping</b>	Yes	Yes
<b>IGMP proxy</b>	Yes	Yes
<b>MLD v1/v2, fast leave/ snooping</b>	Yes	Yes
<b>MLD proxy</b>	Yes	Yes
<b>MAC filtering</b>	Yes	Yes
<b>PPPoE</b>	Yes	Yes
<b>DHCP client/server/relay</b>	Yes	Yes
<b>PPPoA</b>	Yes	Yes
<b>DHCP server</b>	Yes	Yes
<b>Multi-to-multi NAT</b>	Yes	Yes
<b>Dynamic DNS (DDNS)</b>	Yes	Yes
<b>Management</b>		
<b>Web configurator</b>	Yes	Yes
<b>TR-069/TR-181 i2</b>	Yes	Yes
<b>Remote firmware upgrade</b>	Yes	Yes
<b>SNMP</b>	Yes	Yes
<b>Physical specifications</b>		
<b>Dimensions (WxDxH) (mm/in.)</b>	250 x 32 x 187/9.84 x 1.26 x 7.36	250 x 32 x 187/9.84 x 1.26 x 7.36
<b>Weight (g/lb.)</b>	473/1.043	473/1.043

# WiFi 6 Feature Matrix

## WiFi Extender

<b>Model</b>	<b>WX7700-N0</b>
<b>Product name</b>	Dual-Band AX11000 Gigabit Wireless Extender
<b>Hardware</b>	
<b>Ethernet port (10/100/1000)</b>	2 (1 for 2.5GbE Ethernet LAN)
<b>Wireless</b>	
<b>WLAN</b>	2.4 GHz 4x4 ax + 5 GHz 8x8 ax
<b>Operation Modes</b>	
<b>Access Point</b>	Yes
<b>Client</b>	-
<b>Repeater</b>	Yes
<b>Management</b>	
<b>Web configurator</b>	Yes
<b>TR-069/TR-181 i2</b>	Yes
<b>Remote firmware upgrade</b>	Yes









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