





DX3301-T0/DX3300-T0/ EX3301-T0/EX3300-T0 Series

Dual-Band Wireless AX1800 VDSL2/Ethernet Gateway

The Zyxel DX3301-T0/DX3300-T0/EX3301-T0/EX3300-T0 Series provides high-speed internet access with QoS support to meet the worldwide market demand for triple-play services. With the built-in 2x2 802.11ax WLAN function and Zyxel MPro MeshTM Solutions, the Series provides seamless WiFi experience and superior, feature-rich WiFi connectivity for service providers to deliver high-performance internet access services.

Benefits

WiFi 6 technology for superior lag-free performance

Supporting the latest WiFi 6 (11ax) standard, the Series offers speeds of up to 1200 Mbps* with 2x2 802.11ax and 574 Mbps* with 2x2 802.11ax. The uplink MU-MIMO, Orthogonal Frequency Division Multiple Access (OFDMA) and beamforming technologies empower the Series to deliver high speed internet for multi-streaming data access and optimal WiFi experience without dead zones.

* 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.

Zyxel OPAL firmware achieves superior flexibility and faster time-to-market

Compliant with the same OPAL firmware trunk applied in all Zyxel CPEs, the Series inherits a rich, field-proven feature set for guaranteed unchanged user experience even after migrating to the new devices.

Datasheet DX3301-T0/DX3300-T0/ EX3301-T0/EX3300-T0 Series



WiFi 6 (11ax) for superior performance and coverage



Zyxel MPro Mesh™ Solutions (compliant with EasyMesh standards)



Remote management via TR-069 and TR-181 i2



NAT, firewall with SPI and DoS for better security



VoIP SIP protocol with 3-way conference calls



Multiple SSIDs for various service deployment scenarios



Zyxel-developed OPAL for superior flexibility and faster time-to-market



Ecofriendly compact design





Premium MPro Mesh™ for whole-home coverage**

Featuring EasyMesh fully compliant Zyxel MPro Mesh™ Solutions, the Series enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home WiFi coverage, while reducing your service OPEX.

** Combining DX3301-T0, DX3300-T0, EX3301-T0 and EX3300-T0 with the WX3100 Wireless Extender is advised for the ideal mesh network performance.

Quality of Service (QoS) support

With QoS features, service providers can freely design their QoS policies and prioritize mission-critical services such as IPTV and VoIP based on their service plan offerings. This improves network efficiency and productivity that enable service providers to offer a real multi-play solution to meet the residential user needs.

TR-069/TR-181 issue-2 remote management for lower OPEX

Compliant with TR-069, the Series significantly simplifies deployment complexity and lowers operating and maintenance costs. The additional support to the latest TR-181 issue-2 data model also enhances service providers' visibility on subscriber LAN networks to offer improved customer assistance.

Ecofriendly compact design

Zyxel commits to a sustainable future and to improving the environmental well-being of the community. The Zyxel DX3301-T0/DX3300-T0/EX3301-T0/EX3300-T0 Series adopts foldable stands with an ultra-thin exterior case to shrink each package volume, which improves pallet utilization by approximately 46% for lower carbon emissions.

DX3301-T0/DX3300-T0/EX3301-T0/EX3300-T0

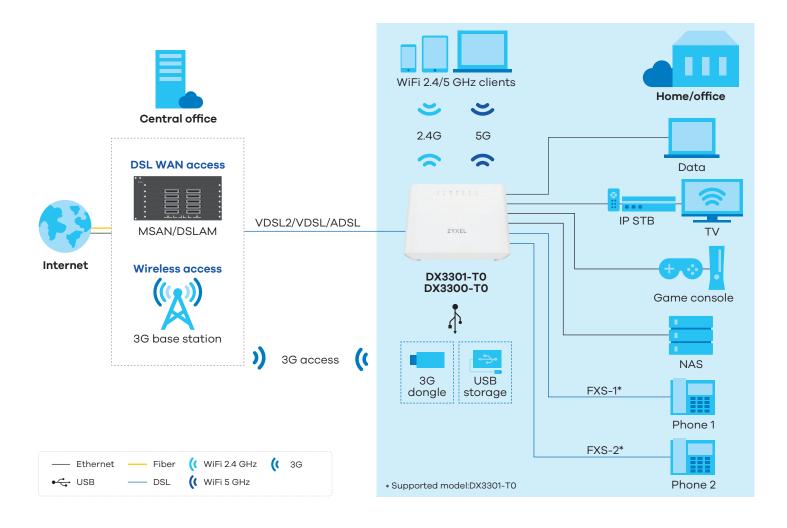
Model	DX3301-T0	DX3300-T0	EX3301-T0	EX3300-T0	
Product name	Dual-Band Wireless AX1800 VDSL2 Gigabit IAD	Dual-Band Wireless AX1800 VDSL2 Gigabit Gateway	Dual-Band Wireless AX1800 Gigabit Ethernet IAD	Dual-Band Wireless AX1800 Gigabit Ethernet Gateway	
Hardware					
WAN interface	DSL RJ-11/RJ45/GbE	DSL RJ-11/RJ-45/GbE	RJ45/GbE	RJ45/GbE	
Ethernet port (10/100/1000)	5 (1 for Ethernet WAN)	5 (1 for Ethernet WAN)	5 (1 for Ethernet WAN)	5 (1 for Ethernet WAN)	
POTS FXS port	2	-	2	-	
USB port	1 (USB 2.0)	1 (USB 2.0)	1 (USB 2.0)	1 (USB 2.0)	
VDSL	• G.993.1 VDSL				
ADSL	 G.992.1 (G.dmt) G.992.2 (G.lite) ANSI T1.413 compliant G.992.3 (ADSL2) G.992.5 (ADSL2+) Supports G.INP 				
Router features	 IPv4/IPv6 NAT Port forwarding WAN connection types: DHCP, PPPoE DHCP option 60/121/125 DHCP server on LAN IGMP v1/v2 IGMP proxy Dynamic DNS 				

Wireless	 Auto channel selection Wi-Fi Multimedia (WMM) Wireless scheduling Wireless output power management Multiple SSID up to 4 Wi-Fi Protected Setup (WPS) Intra-BSS traffic block MAC address filtering 					
VLAN	 802.1q tag/tag based VLAN VLAN to ETH port mapping Bridged/routed VLAN 					
Voice						
SIP v2 (RFC 3261)	Yes	-	Yes	-		
SIP account (URL type included)	Yes	-	Yes	-		
SDP (RFC 2327)	Yes	-	Yes	-		
RTP (RFC 1889)	Yes	-	Yes	-		
RTCP (RFC 1890)	Yes	-	Yes	-		
G.168 echo cancellation	Yes	-	Yes	-		
VAD/CNG	Yes	-	Yes	-		
CODEC	G.711 a/u law /G.726/ G.722/G.729	-	G.711 a/u law /G.726/ G.722/G.729	-		
DTMF detection	Yes	-	Yes	-		
DTMF: In-band and out-of-band	Yes	-	Yes	-		
QoS (IP bandwidth management)	Yes	-	Yes	-		
ToS	Yes	-	Yes	-		
Phonebook	Yes	-	Yes	-		
FAX, modem detection and pass-through	Yes	-	Yes	-		
T.38 FAX	Yes	-	Yes	-		
IVR	Yes	-	Yes	-		
Call waiting	Yes	-	Yes	-		
Call hold/call retrieve	Yes	-	Yes	-		
Call transferring	Yes	-	Yes	-		
Call forwarding	Yes	-	Yes			
Caller ID	Yes	-	Yes	-		
Do not disturb	Yes	-	Yes	-		
Three way conference	Yes	-	Yes	-		
Flexible dial plan	Yes	-	Yes	-		
Dynamic jitter buffer	Yes	-	Yes	-		
On hook, off hook and flash detection	Yes	-	Yes	-		
DSL compliance						
Standards/profile	VDSL2 Vectoring (up to 35b)/ADSL2+	VDSL2 Vectoring (up to 35b)/ADSL2+	-	-		
Wireless						
WLAN	2.4 GHz 2x2 ax + 5 GHz 2x2 ax	2.4 GHz 2x2 ax + 5 GHz 2x2 ax	2.4 GHz 2x2 ax + 5 GHz 2x2 ax	2.4 GHz 2x2 ax + 5 GHz 2x2 ax		
MPro Mesh™						
Compatibility	WX3100	WX3100	WX3100	WX3100		

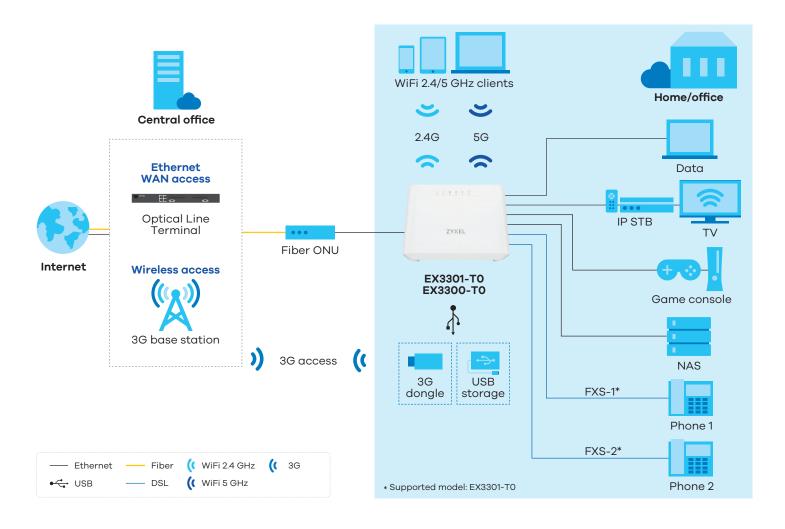
Stateful packet inspection Yes	Pinamali					
Denial of service Yes	Firewall					
CMP blocking						
PSec (Pass thru) Yes Yes Yes Yes Yes Yes						
PSec (Pass thru) Yes Yes	ICMP blocking	Yes	Yes	Yes	Yes	
Network	VPN					
TCP/IP	IPSec (Pass thru)	Yes	Yes	Yes	Yes	
PPPOE	Network					
DHCP client/server/relay Yes Yes Yes PPPOA Yes Yes Yes DHCP server Yes Yes Yes UPAP Yes Yes Yes IP policy routing Yes Yes Yes Multi-to-multi NAT Yes Yes Yes Multi-to-multi NAT Yes Yes Yes Munti-to-multi NAT Yes Yes Yes Mes Yes Yes Yes Yes Yes Yes Yes Web configurator Yes Yes Yes Yes ShMP Yes Yes Yes Yes Yes ShMP *Power on/off *Wireless on/off *Wireless on/off *Wireless on/off *Wireless on/off *Wireless on/off *Wireless on/off *Wirele	TCP/IP	Yes	Yes	Yes	Yes	
PPPOA Yes Ves Yes Yes DHCP server Yes Yes Yes Yes UPnP Yes Yes Yes Yes IP policy routing Yes Yes Yes Yes Multi-to-multi NAT Yes Yes Yes Yes Dynamic DNS (DDNS) Yes Yes Yes Yes IGMP Yes Yes Yes Yes Management Wes Yes Yes Yes Management Wes Yes Yes Yes Memote firmware upgrade Yes Yes Yes Yes SNMP Yes Yes Yes Yes WPS Yes Yes Yes Yes Status LEDs indicators *Power *Power *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** <t< th=""><th>PPPoE</th><th>Yes</th><th>Yes</th><th>Yes</th><th>Yes</th></t<>	PPPoE	Yes	Yes	Yes	Yes	
DHCP server	DHCP client/server/relay	Yes	Yes	Yes	Yes	
Policy routing Yes Yes Yes Yes Yes Yes Policy routing Yes Yes Yes Yes Yes Multi-to-multi NAT Yes Yes Yes Yes Yes Multi-to-multi NAT Yes Yes Yes Yes Yes Multi-to-multi NAT Yes Yes Yes Yes Yes Management Wes Yes Yes Yes Yes Management Wes Yes Yes Yes Yes Meb configurator Yes Yes Yes Yes Yes Meb configurator Yes Yes Yes Yes Yes Remote firmware upgrade Yes Yes Yes Yes Yes Remote firmware upgrade Yes Yes Yes Yes Yes Remote firmware upgrade Yes Yes Yes Yes Yes Multi-to-multi National Yes Yes Yes Yes Multi-to-multi National Yes Yes Yes Yes Remote firmware upgrade Yes Yes Yes Yes Wes Yes Yes Yes Yes Yes National Yes Yes Yes Yes Yes Wes Yes Yes Yes Yes Wes Yes Yes Yes Yes Yes Yes Wes Yes Yes Yes Yes Yes Yes Wes Yes Yes Yes Yes Yes Yes Yes Wes Yes Yes Yes Yes Yes Yes Yes Wes Yes Yes Yes Yes Yes Yes Yes Yes Wes Yes	PPPoA	Yes	Yes	Yes	Yes	
Poolicy routing Yes Yes Yes Yes Yes Yes	DHCP server	Yes	Yes	Yes	Yes	
Multi-to-multi NAT Yes	UPnP	Yes	Yes	Yes	Yes	
Multi-to-multi NAT Yes	IP policy routing	Yes	Yes	Yes	Yes	
Dynamic DNS (DDNS) Yes Yes Yes Yes Yes IGMP						
Monagement						
Management Web configurator Yes						
Web configurator Yes Yes Yes TR-069/TR-18112 Yes Yes<			100	100	100	
TR-069/TR-18112		Vas	Vos	Voc	Vos	
Remote firmware upgrade						
SMMP						
Power on/off						
Wireless on/off			Yes	Yes	Yes	
WAN Internet LAN 2.4 GHz 5 GHz WPS Phone (DX3301-T0 and EX3301-T0)	Button	Wireless on/offWPS				
Package contents - Wireless gateway/IAD - Power adapter - Ethernet cable - Phone cable - Quick Start Guide Physical specifications Dimensioin (WxDxH)(mm/in.) Weight (g/lb.) 387/0.85 383/0.84 377/0.83 373/0.82 Environment 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)	Status LEDs indicators	 WAN Internet LAN 2.4 GHz 5 GHz WPS 				
Physical specifications Dimensioin (WxDxH)(mm/in.) Weight (g/lb.) 387/0.85 383/0.84 377/0.83 373/0.82 Environment 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)	Power consumption	12V DC, 2A				
Dimensioin (WxDxH)(mm/in.) 220 x 35 x 153/8.66 x 1.38 x 6.02 Weight (g/lb.) 387/0.85 383/0.84 377/0.83 373/0.82 Environment specifications • 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)	Package contents	 Wireless gateway/IAD Power adapter Ethernet cable Phone cable 				
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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)						
• Temperature: -30°C to 70°C (-22°F to 158°F)		• Temperature: 0°C to 40°C (32°F to 104°F)				
	Storage environment	·				

Applications diagram

DX3301-T0/DX3300-T0



EX3301-T0/EX3300-T0



Hardware interface

Front panel

DX3301-T0/DX3300-T0

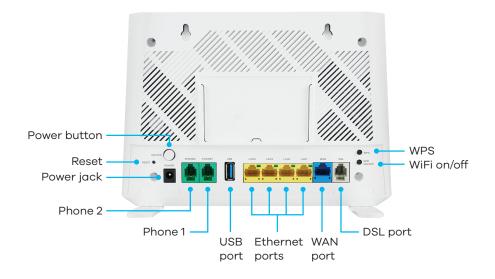


EX3301-T0/EX3300-T0



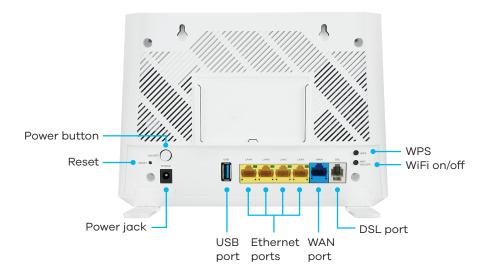
Rear panel

DX3301-T0

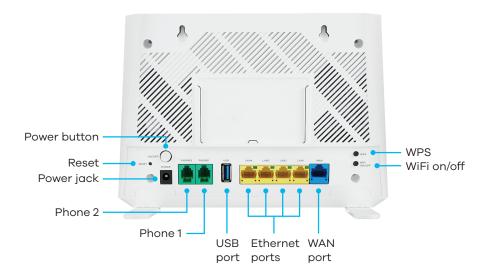


Rear panel

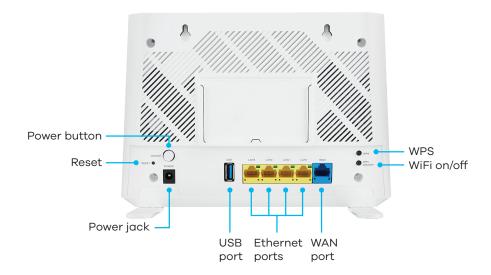
DX3300-T0



EX3301-T0



EX3300-T0



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