








Product Briefing

**Required*

*Color code	
*Model name	EE3101-00
*Product name	Dual-Band Wireless BE3600 2.5G Ethernet VoIP Gateway
Slogan	
*Product introduction	The Zyxel EE3101-00 Dual-Band Wireless BE3600 2.5G Ethernet VoIP Gateway delivers service providers' ultimate 2.5G internet speed. Compliant with the latest wireless 802.11be (Wi-Fi 7) technology, the EE3101-00 is engineered to boost network capacity with ultra-fast connectivity and low latency. It provides superior Wi-Fi service for all devices—anywhere in their home.
*Key features	 Wi-Fi 7 (11be) dual-band 2x2+3x3 (2 spatial streams) for superior performance and coverage
	 Remote management via TR-069/TR-369
	 Zyxel MPro Mesh® Solutions (Compliant with EasyMesh Standards)
	 MLO (Multi-Link Operation) optimizes reliability and maximizes data speed
	 Zyxel-developed OPAL for superior flexibility and faster time to market
	 Circular economy product design
Benefits	<p>Unleash peak performance with Wi-Fi 7 (802.11be)</p> <p>Supporting the latest Wi-Fi 7 (802.11be) standard and rated as BE3600, the EE3101-00 delivers dual-band Wi-Fi with exceptional performance. With Multi-Link Operation (MLO) technology, the EE3101-00 not only optimizes reliability and maximizes data speeds but also significantly reduces latency. By intelligently utilizing multiple frequency bands simultaneously, MLO provides a smoother, low-latency experience—</p>


	<p>ideal for real-time applications such as gaming and video streaming. It also increases signal sensitivity and delivers broader coverage, reducing dead zones and improving performance across larger spaces.</p> <p>Premium MPro Mesh® for whole-home Wi-Fi coverage Featuring EasyMesh fully compliant Zyxel MPro Mesh® Solutions**, the EE3101-00 enhances your subscribers' experience by providing self-adapting, easy-to-manage whole-home Wi-Fi coverage, while reducing your service OPEX.</p> <p>Zyxel OPAL firmware achieves superior flexibility and shortens time to market Compliant with the same OPAL firmware trunk applied to all Zyxel CPEs, the EE3101-00 inherits a rich, field-proven feature set for guaranteed same user experience after migrating to new devices.</p> <p>TR-069/TR-369 remote management for lower OPEX Compliant with TR-069/TR-369 standards, the EE3101-00 significantly simplifies deployment complexity and lowers operating and maintenance costs with its remote management capabilities. The additional support for the latest TR-181 issue-2 data model also enhances service providers' visibility on subscriber LAN networks to offer improved customer assistance.</p> <p>Commitment to sustainability The EE3101-00 is built with 100% recycled plastics*** and features an easily removable case, simplifying refurbishment to extend its lifespan. Its packaging is designed with recycled paper and printed using VOC-free vegetable oil ink, minimizing waste and harmful substances while eliminating single-use plastics.</p>
<p>Work with products</p>	
<p>Logos for Box</p>	

*System specifications	<p>Wireless standards</p> <ul style="list-style-type: none">• IEEE 802.11 b/g/n/ax/be 2.4 GHz• IEEE 802.11 a/n/ac/ax/be 5 GHz <p>Wireless transfer rates</p> <ul style="list-style-type: none">• Transmit:<ul style="list-style-type: none">■ 802.11be (2.4 GHz): up to 688 Mbps■ 802.11be (5 GHz): up to 2882 Mbps <p>Wireless features</p> <ul style="list-style-type: none">• Auto channel selection• Wi-Fi Multimedia (WMM)• Wireless output power management• Multiple SSIDs up to 4• Wi-Fi Protected Setup (WPS)• Intra-BSS traffic block• MAC address filtering• WPS <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 v2/v3• IGMP Proxy• Dynamic DNS
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	<ul style="list-style-type: none">• QoS support <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 via TR-098/TR-181 i2 data model• TR-369 via TR-181 i2 data model• Firmware upgrade via web GUI/TR-369/TR-069 protocol• 2-tier level access and administration• Zyxel One APP management <p>MPro Mesh® management</p> <ul style="list-style-type: none">• Auto-configuration• Band steering• Multi-AP roaming• Backhaul priority <p>VoIP/Phone features</p> <ul style="list-style-type: none">• Codec: G.711u, G.711a, G.729, G.726-24, G.726-32, G.722• DTMF tone: detection and generation• Fax (G.711 Pass-through, T.38 Relay)• Call waiting (reject waiting call, disconnect existing call, keep existing call)• Call forwarding (unconditional, busy, no answer)• Call transferring (attended, unattended)• Caller-ID display (on the LCD of the telephone set)• Call hold/recover• Three-way conference• Second call (adding an outgoing call)
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	<ul style="list-style-type: none"> • Switch between 2 ongoing calls
*Hardware specifications	<p>LAN/WAN</p> <ul style="list-style-type: none"> • One 1/2.5 GbE RJ-45 port <p>LAN</p> <ul style="list-style-type: none"> • One 1/2.5 GbE RJ-45 port • Two 1GbE RJ-45 ports <p>VoIP</p> <ul style="list-style-type: none"> • One FXS port RJ-11 (6P2C) <p>Wireless</p> <ul style="list-style-type: none"> • 2.4 GHz: 2x2 internal antenna • 5 GHz: 3x3 (2 spatial streams) internal antenna <p>USB</p> <ul style="list-style-type: none"> • One USB 2.0 host <p>LED indicators</p> <ul style="list-style-type: none"> • Front Panel <ul style="list-style-type: none"> ■ Power ■ WAN ■ Internet ■ LAN ■ WPS and Wi-Fi 2.4 GHz/5 GHz ■ FXS <p>Button</p> <ul style="list-style-type: none"> • WPS/Wi-Fi on/off • Power on/off switch • Power jack • Reset
*Power consumption	<ul style="list-style-type: none"> • 12 V DC/2 A • 24 Watt max
*Physical specifications	<ul style="list-style-type: none"> • Item dimensions (LxWxH): 180 x 50 x 160 mm (7.09" x 1.97" x 6.30") • Item weight: 370 g (0.82 lb.)

	<ul style="list-style-type: none"> • Packing dimension (LxWxH): 283 x 178 x 67 mm (11.14" x 7.01" x 2.64") • Packing weight: 740 g (1.63 lb.)
<p>*Environmental specifications</p>	<p>Operating environment:</p> <ul style="list-style-type: none"> • Temperature: 0°C to 40°C (32°F to 104°F) • Humidity: 10% to 90% (Non-condensing) <p>Storage environment:</p> <ul style="list-style-type: none"> • Temperature: -30°C to 70°C (-22°F to 158°F) • Humidity: 10% to 95% (Non-condensing)
<p>*Certification</p>	<ul style="list-style-type: none"> • CE • UKCA
<p>Package contents</p>	<ul style="list-style-type: none"> • Device • Power adapter • Ethernet cable • Quick Start Guide • Safety warning card
<p>*Application diagram</p>	
<p>Front panel</p>	

Rear panel	
Others	<p>* The maximum data rate is a theoretical value. The actual data rates depend on the network environment.</p> <p>** Pairing the EE3101-00 with a compatible wireless extender is recommended for optimal mesh network performance.</p> <p>*** 5% additives and solvents are necessary to be added to the recycled polymers to achieve the desired technical characteristics of the material.</p>