









EE3101-00

Dual-Band Wireless BE3600 2.5G Ethernet VoIP Gateway

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.

-  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

Specifications

System specifications

Wireless standards

- IEEE 802.11 b/g/n/ax/be 2.4 GHz
- IEEE 802.11 a/n/ac/ax/be 5 GHz

Wireless transfer rates

- Transmit:
 - 802.11be (2.4 GHz): up to 688 Mbps
 - 802.11be (5 GHz): up to 2882 Mbps

Wireless features

- 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

Firewall

- IPv4/IPv6 firewall (Stateful Packet Inspection)
- Denial-of-Service (DoS) attack prevention
- ICMP blocking

Routing

- 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
- QoS support

VLAN

- 802.1q tag/tag based VLAN
- VLAN to ETH port mapping
- Bridged/routed VLAN support

Management

- 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

MPro Mesh® management

- Auto-configuration
- Band steering
- Multi-AP roaming
- Backhaul priority

VoIP/phone features

- Codec: G.711u, G.711a, G.729, G.726-24, G.726-32, G.722
- DTMF tone: detection and generation
- Internal call
- 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)
- Switch between 2 ongoing calls

Hardware specifications

WAN

- One 1/2.5 GbE RJ-45 port

LAN

- One 1/2.5 GbE RJ-45 port
- Two 1GbE RJ-45 ports

VoIP

- One FXS port RJ-11 (6P2C)

Wireless

- 2.4 GHz: 2x2 internal antenna
- 5 GHz: 3x3 (2 spatial streams) internal antenna

USB

- One USB 2.0 host

LED indicators

- Front panel
 - Power
 - WAN
 - Internet
 - LAN
 - WPS and Wi-Fi 2.4 GHz/5 GHz
 - FXS

Button

- WPS/Wi-Fi on/off
- Power on/off switch
- Power jack
- Reset

Power consumption

- 12 V DC/2 A
- 24 Watt max

Physical specifications

- Item dimensions (LxWxH): 180 x 50 x 160 mm (7.08" x 1.96" x 6.29")
- Item weight: TBD
- Packing dimension (LxWxH): TBD
- Packing weight: TBD

Environmental 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)
- Humidity: 10% to 95% (Non-condensing)

Certification

- CE
- UKCA

Package contents

- Device
- Power adapter
- Ethernet cable
- Quick Start Guide
- Safety warning card

For more product information, visit us on the web at <https://www.zyxel.com/service-provider>

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