



LTE3301-PLUS

4G LTE-A Indoor Router

Change the face of your services with the Zyxel LTE3301-PLUS 4G LTE-A Indoor Router. With the support of Cat. 6 and AC1200 dual-band concurrent links, the LTE3301-PLUS creates remarkably positive user experiences with lightning-fast mobile Internet connections of data rates at up to 300/50 Mbps* (downlink/uplink). In order to deliver smooth, stable signals, it's also compatible with 4G and 3G network connections. The Dual-WAN Failover function offers a failover safety net that keeps subscribers connected and content, which reduces customer complaints and, in turn, lower your CAPEX. The Dual-WAN design delivers fail-safe, reliable broadband Internet access via either mobile WAN or fixed-line WAN for your subscribers.



3GPP Release 10 Category 6 with data rates of up to 300/50 Mbps* (DL/UL)



AC1200 dual-band concurrent links



Supports seamless switching between 4G and 3G



Multiple-band supported for different countries



Bridge and router modes



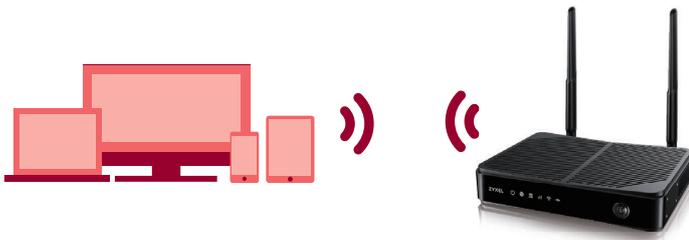
Supports Dual-WAN Failover



Benefits

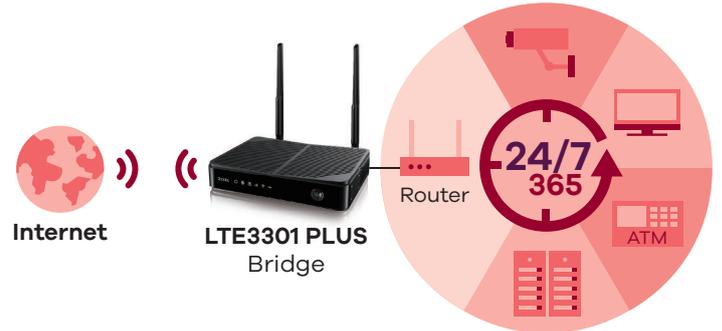
Fast Internet connectivity

The Zyxel LTE3301-PLUS 4G LTE-A Indoor Router with Cat. 6 delivers the best possible data rates of up to 300/50 Mbps* (DL/UL). In order to get high-speed Internet even in areas with relatively weak signal, the LTE3301-PLUS can be fitted with two external antennas for better connectivity. In order to work with all kinds of devices/gateways and provide seamless integrations with your CPEs on hand, the LTE3301-PLUS also provides both bridge and router modes.



Be flexible, be adaptive

To offer really enjoyable user experiences, the Zyxel LTE3301-PLUS comes with both bridge mode and router mode; this makes it trouble-free to integrate the LTE3301-PLUS into the existing network. The built-in routing functions allow users to take advantage of all typical applications. To work smoothly with the users' existing or preferred devices such as high-end WiFi access points, small business gateways or enterprise gateways, the LTE3301-PLUS should be switched to the bridge mode.



Give your subscriber maximum mobility

With the Zyxel LTE3301-PLUS 4G LTE-A Indoor Router, you are able to set a flexible, easy-to-deploy wireless network. By providing wireless broadband connectivity and seamless switching capability among 4G LTE, DC-HSPA+ and 3G; so your subscribers can freely enjoy Internet surfing anywhere at home, in the office or wherever 4G LTE coverage is available – all without being tethered by wires, and users can easily change the router location according to different situations and needs.

We meet your expectations

As many important applications require uninterrupted data exchange, the Zyxel LTE3301-PLUS supports Dual-WAN Failover, which relieves the risk of network outage due to the single WAN setting, to ensure working connections for your subscribers. To make the users' online experience more secured, the wireless LTE connectivity allows you to maintain a second WAN option without a cable plan. As long as the gateway supports Dual-WAN Failover, you can just connect the LTE3301-PLUS to an existing gateway and use LTE as the failover WAN.



Specifications

System Specifications

IP Networking

- Cellular and Ethernet WAN failover and failback
- Support IPv4/IPv6 dual stack
- DHCP client/server
- VPN pass through (PPTP/IPSec and L2TP pass-through)
- Data roaming disable/enable
- IP firewall
- NAT/NAPT
- Port forwarding/DMZ
- DNS/DDNS
- Supports router mode/bridge mode (IP pass through)
- Primary WAN/secondary WAN management

WLAN Feature

- Auto channel selection
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM)
- Security: none, WPA2-Personal
- MAC address filtering with 32 address supported
- Hide SSIDs
- Up to of 32 WiFi clients
- WLAN scheduling

Management

- APN management
- SIM PIN/PUK management
- Secure remote management via TR-069/Web GUI
- Network selection
- Operating frequency band selection

Hardware Specifications

LTE Air Interface

- Standard compliant: 3GPP Release 10 Cat. 6
- Support LTE band : 1/3/5/7/8/20/28/38/40/41
- 2 Carrier Aggregation combination :
 - B1+B1/B5/B8/B20/B28
 - B3+B3/B5/B7/B8/B20/B28
 - B7+B5/B7/B8/B20/B28
 - B38+B38; B40+B40; B41+B41
- Peak data rate:
 - 300 Mbps DL within 40 MHz bandwidth (CA)
 - 50 Mbps UL within 20 MHz bandwidth

UMTS Air Interface

- Standard compliant: WCDMA band 1/3/5/8
- Supported frequency: HSPA+/UMTS 2100/1800/900/850 MHz (band 1/3/5/8)
- WCDMA : 2100/1800/900/850 MHz
- HSPA+ downlink data rate up to 42 Mbps
- HSUPA uplink data rate up to 5.76 Mbps

WiFi Air Interface

- Wireless standard (concurrent)
 - IEEE802.11 b/g/n, 2.4 GHz
 - IEEE802.11 a/n/ac, 5 GHz
- WiFi 2.4 GHz antenna: 2x2 internal antennas up to 3 dBi
- WiFi 5 GHz antenna: 2x2 internal antennas up to 5 dBi

Hardware Interface

- Four GbE RJ-45 LAN ports. LAN1 can be configured as Ethernet WAN port
- LEDs:
 - Power indication
 - Internet status
 - LTE/3G signal strength
 - WiFi status
 - USB status
- One WPS & WiFi On/Off button.
- One 3FF micro SIM card socket
- One Reset to default button
- One Power On/Off button
- One DC Power jack
- One USB 2.0 host port
- Two external LTE/3G antenna SMA connector

Power Specification

- External power supply: 110 - 240 V AC/12 V 1.5 A DC adaptor
- Power consumption at peak: < 18 W

Physical Specifications

- Item dimensions (WxDxH): 210 x 115 x 33 mm (8.27" x 6.06" x 1.57")
- Item weight: 500 g (1.10 lb)
- Packing dimensions (WxDxH): 293 x 234 x 57 mm (11.53" x 9.21" x 2.24")
- Packing weight: 1050 g (2.31 lb.)

Environment Specification

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: 5% to 95% (non-condensing)

Compliance & Certifications

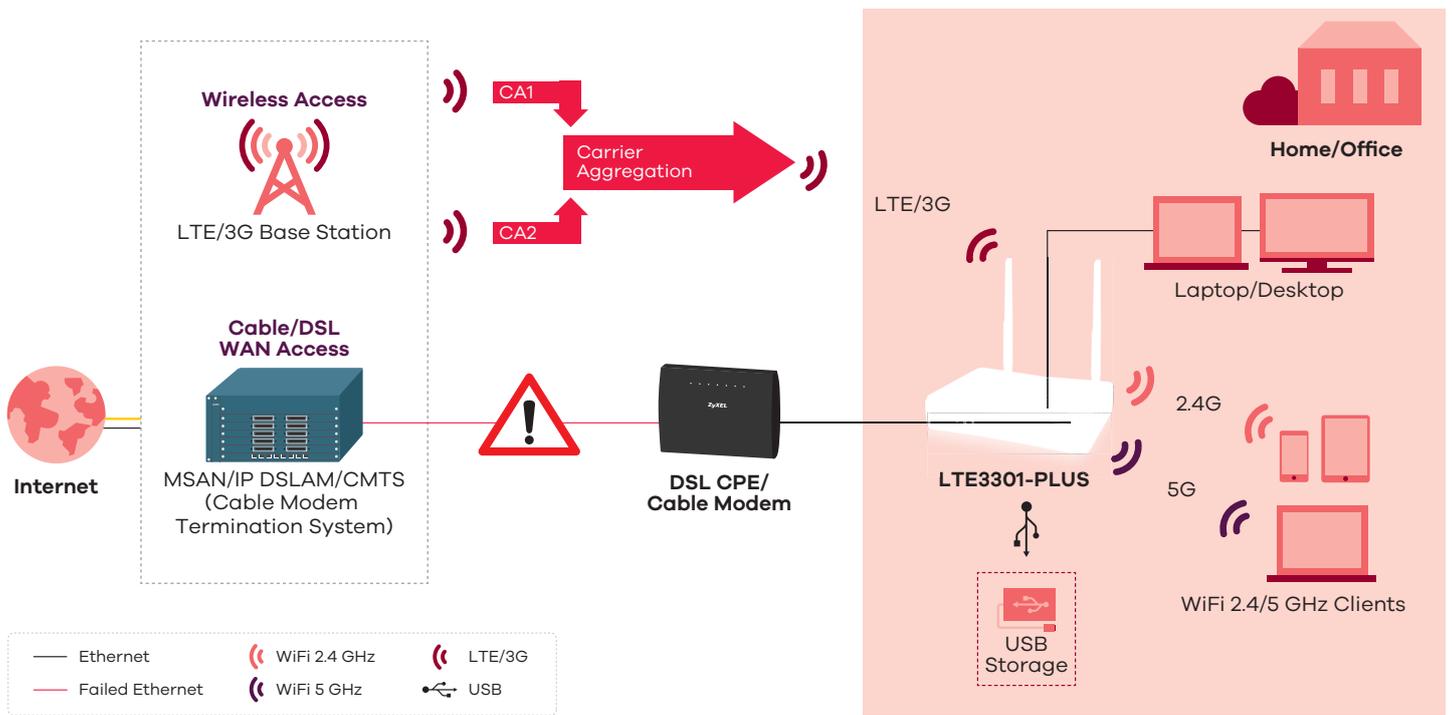
- CE: RED/ErP/Safety
- WEEE
- 2011/65/EC (RoHS) Restriction of Hazardous Substances Directive
- Hazardous Substance Free (HSF)
- European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

Package Contents

- Power adapter (12 V/1.5 A EU/US/UK plug)
- Ethernet cable
- External antenna x2
- Quick start guide
- Warranty card
- CE DoC
- Safety warning

* The maximum wireless data transfer rate is derived from IEEE Standard 802.11 and 3GPP specifications close to AC1200. 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.

*Application Diagram



Interface description

