ZYXEL
NETWORKS

LTE3301-PLUS
4G LTE-A Indoor Router

Are you an owner of a small business, home business or startup? Have you ever suffered from poor wired connection? Does your business need non-stop internet? Do you want to reduce your business costs? Do you know small business is an ideal target for hackers? Do you need a clean and tidy work environment? If you say yes to any of these questions, you should have a more efficient, cost-effective, and protective networking device now. 4G LTE-A Indoor Router (LTE3301-PLUS) is the one for you!

Benefits

Seeking for non-stop internet connection?

The LTE3301-PLUS has 4G LTE-A and Gigabit Ethernet dual-WAN for interruption-free connection. It is perfect for small business, home business, or startup company wanting to provide non-stop internet connection for their business or home use by replacing or backing up their existing broadband service.

Feeling the need for speed?

Enjoy the best Cat.6 4G LTE-A technology with up to 300 Mbps data rates. It embeds two external upgradeable LTE/3G antennas, which can boost your signal reception. It also employs AC1200 2.4/5GHz dual-band concurrent WiFi. Get stable and fast WiFi connection, allowing you to have a video conference with a client or stream a 4K video without the stutters.

- 4G LTE-A Cat.6 with up to 300 Mbps data rates
- Connection failover between both WAN interfaces
- AC1200 2.4/5GHz dual-band concurrent WiFi
- Share WiFi with up to 32 devices simultaneously
- Embedded bridge and router mode
- Firewall and Parental Control for basic network security
- Space-saving, durable and robust design
- Plug-n-surf Easy management

Non-stop connectivity

The LTE3301-PLUS is deployed with Firewall and Parental Control functions, which can block inappropriate and dangerous sites. Restrict access by time and category. At the same time protect every device on your office network against adware, phishing, IP spoofing and routing attacks, along with other external threats through your LTE3301-PLUS!

Getting the most out of network?

Connect your legacy network devices, such as computers, printers, NAS servers or other devices to the LTE3301-PLUS on one of the 4 Ethernet ports. Work smoothly with high-end WiFi access points, business gateways or more with the LTE3301-PLUS bridge mode support. It's WiFi can be used as a guest WiFi or office WiFi to share with 32 devices simultaneously by quickly scanning a QR code. Connect more, share more, effortlessly cater your business network needs throughout the day!
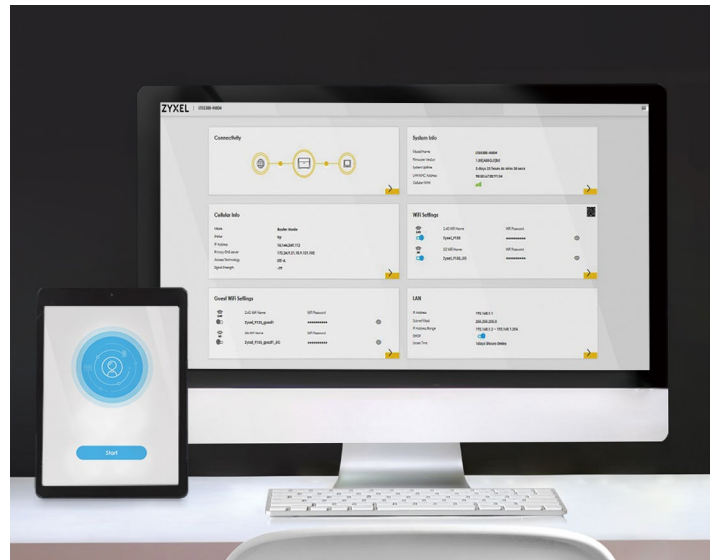

Trying to save money, time, and space?

Liberate yourself from cabled installation with 4G LTE-A wireless technology. It is an ideal solution for any location with poor wired connection options. Save time and money! Its flat, space-saving, durable and robust design allows it to fit into any space. Leaving a small footprint in your home or office!
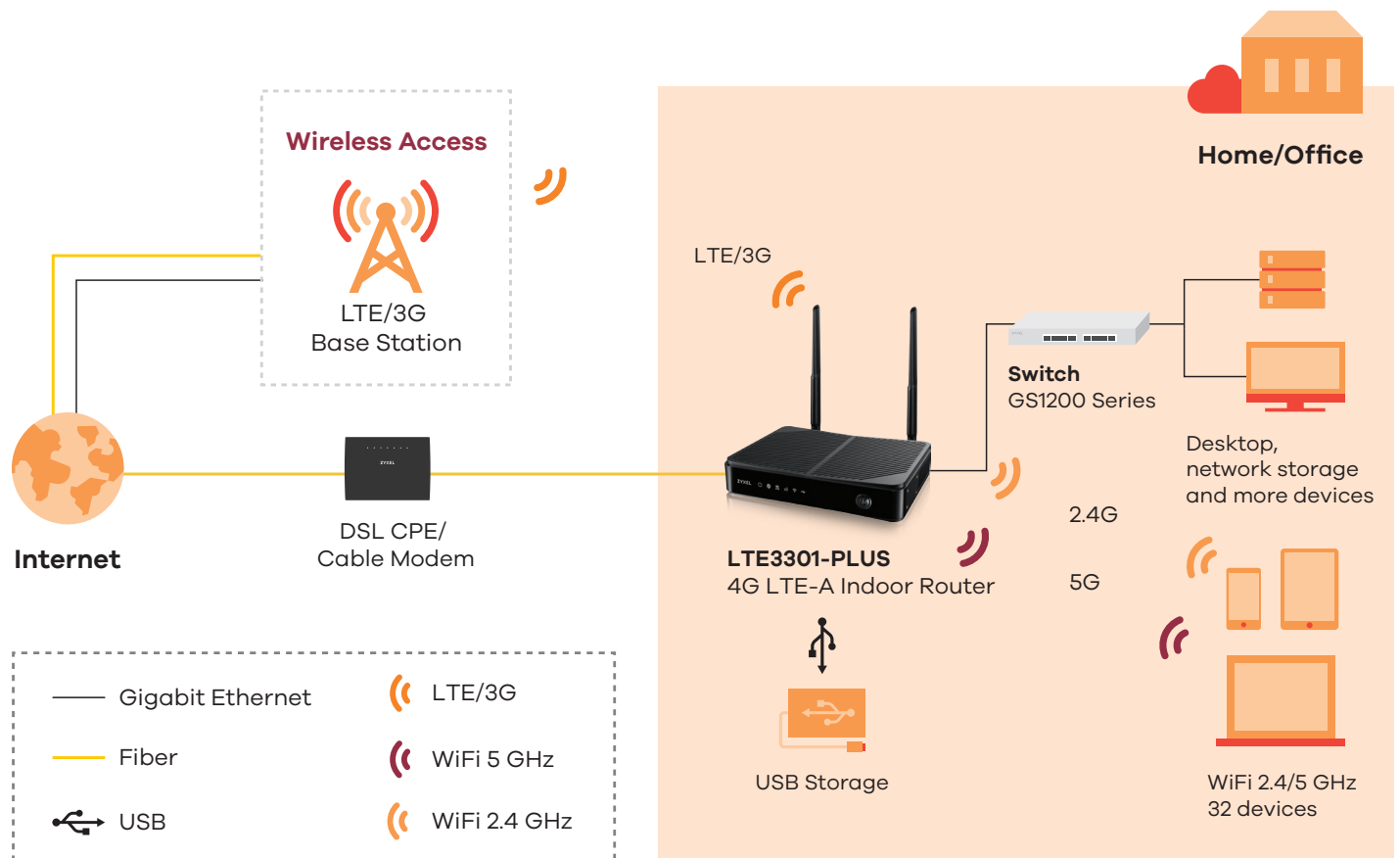
Simple to set up with easy management

Simply insert a micro SIM card, turn on the router, and connect. Get connected quickly with our easy 3-step plug-n-surf! Login to our free "Zyxel LTE Ally" mobile app or use its built-in website GUI. Both offer an enjoyable, easy-to-use management experience through either a mobile device or desktop!

Application Diagram

Wireless Access

LTE/3G
Base Station

Internet

DSL CPE/
Cable Modem

LTE/3G

LTE3301-PLUS
4G LTE-A Indoor Router

USB Storage

Switch
GS1200 Series

2.4G

5G

Home/Office

Desktop,
network storage
and more devices

WiFi 2.4/5 GHz
32 devices

—— Gigabit Ethernet	(	LTE/3G
—— Fiber	(	WiFi 5 GHz
⊷ USB	(	WiFi 2.4 GHz

Interface description

LTE/3G antenna

LTE/3G antenna

WPS & WiFi On/Off Button

Micro SIM

USB
2.0

Ethernet
WAN port

GbE
LAN
ports

Reset

Power
button

Power jack

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.)

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:
  5% to 95% (non-condensing)

Compliance & Certification
- CE/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.

Datasheet LTE3301-PLUS