ZYXEL

LTE3316-M604

4G LTE-A Indoor IAD

The Zyxel LTE3316-M604 4G LTE-A Indoor IAD supports CAT-6 integrated voice router with AC1200 dual-band concurrent links. Users can enjoy lightning-fast mobile Internet connectivity with data rates of up to 300/50 Mbps (downlink/uplink) and it's backward compatible with 4G and 3G network connections. Besides, the multi-WAN design provides users with a fail-safe, consistent and reliable broadband Internet access via either mobile WAN or fixed-line WAN configurations.

With plug-and-play, responsive Web GUI wizard and "LTE Ally app" features, the Zyxel LTE3316 offers an enjoyable, easy-to-use and simple router management experience through a smart phone or a tablet.

The Zyxel LTE3316 is designed for operators to offer end-users with better Internet experience taking advantage of reliable Internet connection, lightning-fast internet connectivity, lag-free online video and music streaming as well as crystal-clear, high-quality VoLTE/voice calls at home, in the office or remote area within mobile Internet coverage without wire limitations.

- Lightning-fast mobile Internet with data rates of up to 300/50 Mbps (DL/UL)

- AC1200 dual-band concurrent links

- Support L2TPv2 & GRE VPN client mode

- CS-Voice or VoLTE

- Bridge and Router modes

- Mobile WAN with failover to Ethernet WAN

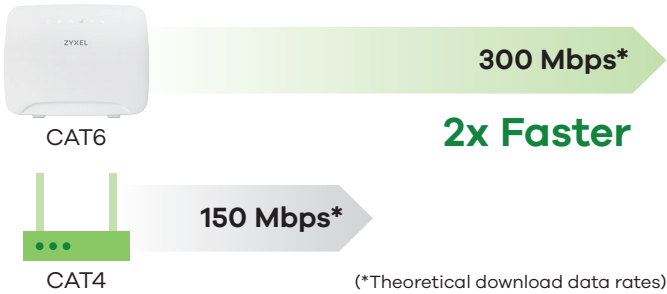- External LTE/3G antenna ports (SMA-female)
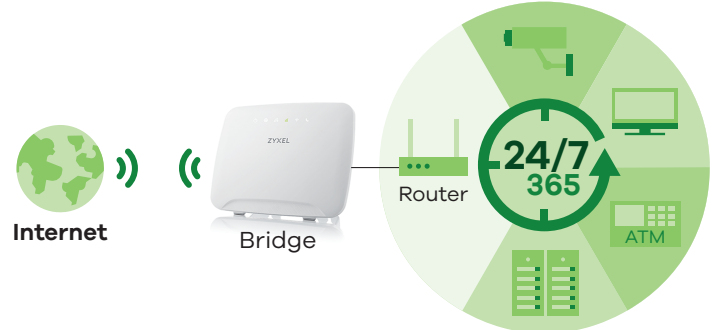
- LTE Ally app for iOS or Android***

Benefits

Lightning-fast mobile Internet connectivity

The Zyxel LTE3316 4G LTE-A Indoor IAD provides lightning-fast mobile Internet access twice faster than UE CAT4 and is better than fixed-line Ethernet connectivity. It also supports 4G LTE-A 2x DL Carrier Aggregation with download data rates of up to 300 and uplink speeds of up to 50 Mbps, and it's backward compatible with 4G and 3G broadband networks.

CAT6

300 Mbps*

2x Faster

150 Mbps*

CAT4

(*Theoretical download data rates)

Bridge and Router modes

With bridge and router modes embedded, the Zyxel LTE3316 is adaptive to most Ethernet devices and gateways for seamless integration with your current CPE in a very simple yet complete way to meet user needs.

Internet

Bridge

Router

24/7 365

ATM

Enjoy WiFi sharing with AC1200 dual-band concurrent wireless LAN

The super-fast WiFi built into Zyxel LTE3316 has data speeds of up to 1200 Mbp with 802.11n and 802.11ac dual-band (2.4 GHz and 5 GHz) concurrent wireless LAN. Users can enjoy WiFi sharing with ideal coverage with up to 32 devices connected simultaneously.

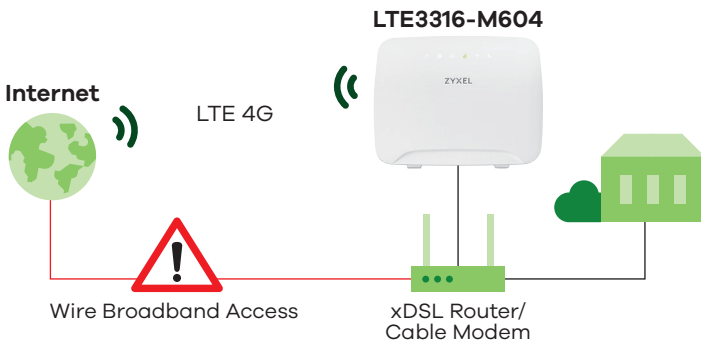300 Mbps

867 Mbps

2.4 GHz

5 GHz

User friendly plug-and-play and app management

No more complicated setting – just insert a SIM card and turn on the Zyxel LTE3316 to enjoy instant connection. With the "LTE Ally" app, users can easily manage LTE3316 settings and all connected devices via a smart phone or a tablet.

LTE Ally

GET IT ON Google Play

Available on the iPhone App Store

Multi-WAN failover for non-stop Internet connection

The Multiple-WAN design provides consistent fail-safe Internet connection, with which users can stay connected via the Mobile WAN or Ethernet WAN.

LTE3316-M604

Internet

LTE 4G

Wire Broadband Access

xDSL Router/
Cable Modem

Ultra-high quality voice calls

Integrated voice support allows users to enjoy making crystal-clear VoLTE calls or ultra-high quality CSFB calls.

Specifications

System Specifications

IP Networking
- Cellular and Ethernet WAN failover and failback
- Support IPv4 and IPv6 dual stack
- DHCP server/client
- ICMP supported (LAN and/or WAN, disable)
- Multiple APNs***
- VPN pass through (PPTP/IPSec and L2TP pass-through)
- L2TPv2 and GRE VPN client mode
- Data roaming disable/enable
- IP firewall
- NAT/NAPT
- Port forwarding DMZ
- DNS, DDNS
- Support NAT Router mode
- Support Bridge mode (IP pass-through)

Wireless Feature
- Auto channel selection
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM) QoS
- Security: None, WPA2-Personal, WPA+WPA2
- MAC address filtering with 32 address supported
- Multiple SSIDs/Hide SSIDs
- WLAN scheduling
- Up to 32 WiFi clients

Voice Service
- CS-Voice:
  - Standard compliant: 3GPP TS 23.272 Release 9
  - Support CSFB from LTE to 3G
- Voice over LTE*:
  - GPP/GSMA IR.92 compliant
  - Voice Activity Detection (VAD): Caller ID/Call hold/transfer/forwarding/return/conference anonymous call

Management
- APN management
- SIM PIN/PUK management
- SMS management (send and receive message)
- Secure remote management via TR-069/WebGUI
- Over-the-Air (OTA) firmware upgrade: TR-069/WebGUI
- Network selection
- Operating frequency band selection
- Setup Wizard
- Store configuration
- LTE Ally app for iOS or Android***

Hardware Specifications

LTE Air Interface
- Standard compliant: 3GPP Release 10 CAT 6
- Support LTE band: 1/3/5/7/8/20/28/32/38/40/41
- Supported frequency:
  - LTE FDD 2600/2100/1800/900/850/800/700MHz
  - LTE TDD 2600/2500/2300 MHz
- 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
- LTE antenna: 2 internal antennas
- Peak data rate:
  - 300 Mbps DL within 40 MHz bandwidth (CA)
  - 50 Mbps UL within 20 MHz bandwidth

UMTS/GSM 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):
  - IEEE 802.11 b/g/n, 2.4 GHz
  - IEEE 802.11 a/n/ac, 5 GHz
- Wireless link speed:
  - 300 Mbps** for 2.4 GHz
  - 867 Mbps** for 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
  - FXS status
- One WPS & WiFi on/off button
- One 3FF mini SIM card socket
- One reset to default button
- One power on/off button
- One DC power jack
- One FXS RJ-11 phone port
- Two external LTE/3G antenna SMA connector (for external antenna option)

Power Specificaitons
- Power consumption: 13 Watt (peak)
- External power supply: 110 - 240 V AC/12 V DC adaptor

Physical Specifications
- Dimensions (WxDxH): 202 x 157 x 35 mm (7.95" x 6.18" x 1.37")
- Weight: 400 g (0.88 lb.)

Environmental Specifications

Operating Environment
- Temperature: 0°C to 40°C (32°F to 140°F)
- Humidity: 10% to 90% RH (Non-condensing)

Storage Environment
- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 0% to 95% RH (Non-condensing)

Certification
- CE

Package Contents
- Power adapter
- Ethernet cable
- Quick start guide
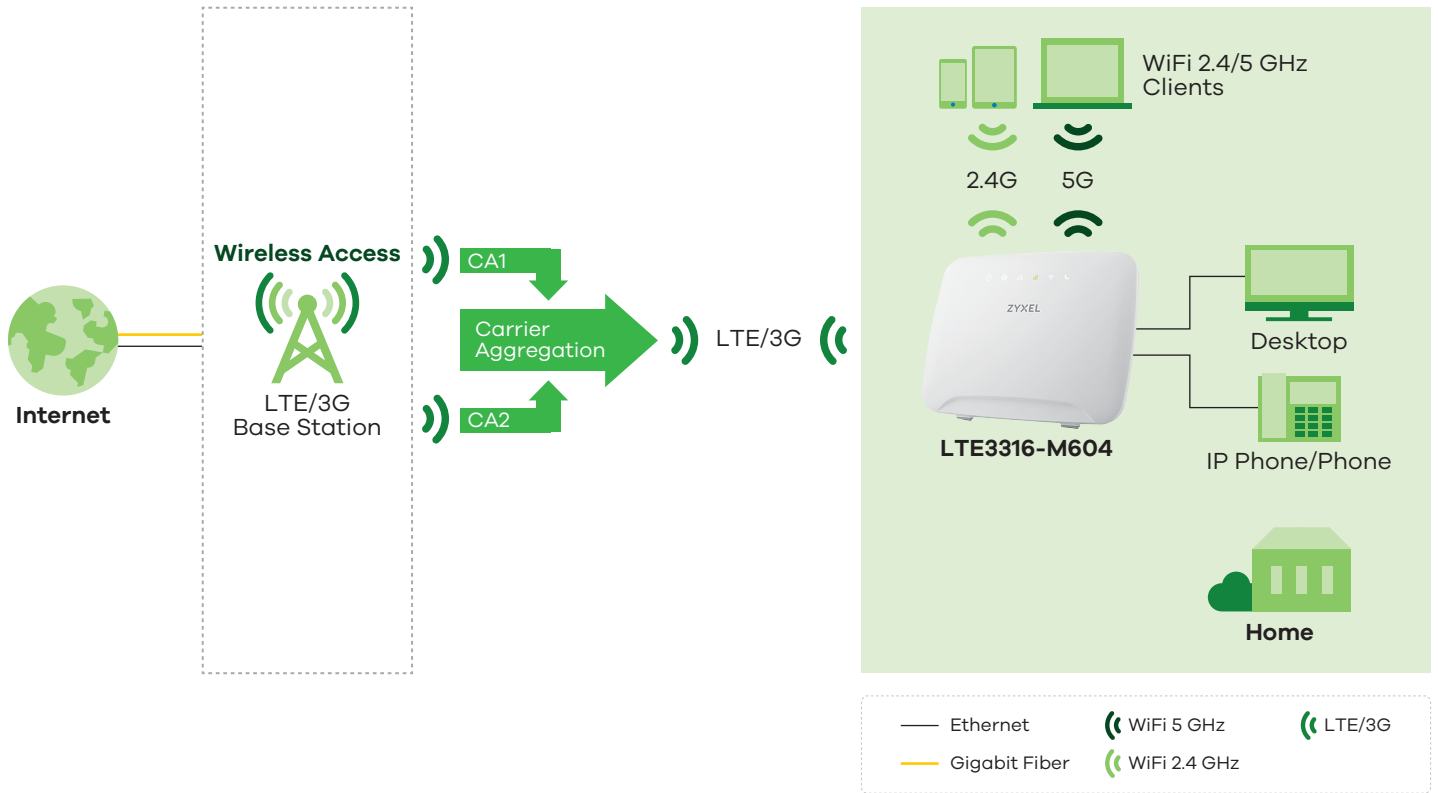- Warranty card
- CE DoC
- Safety warning

* VoLTE is a customized software feature.

** 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.
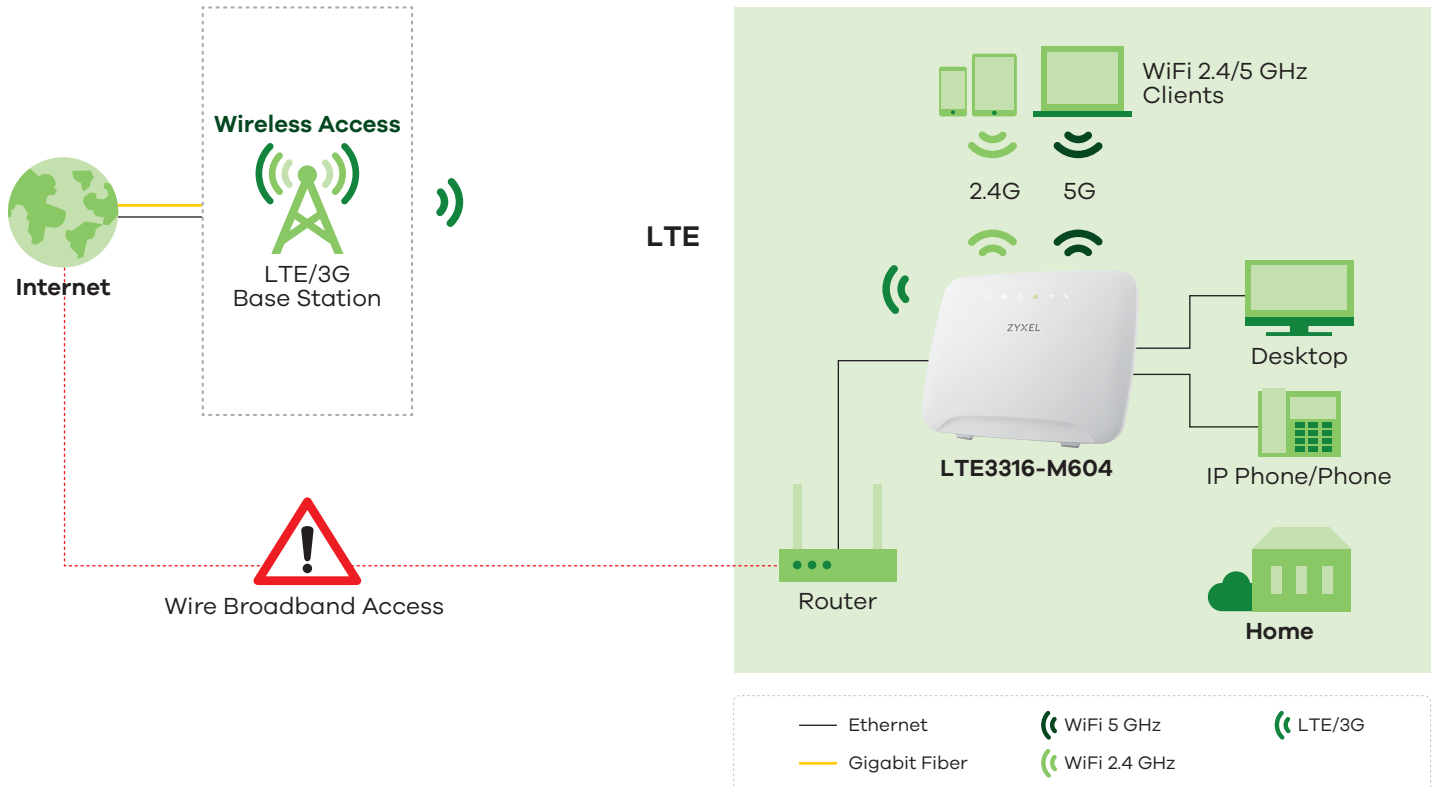
*** Under development.

Application Diagram

Application 1

Wireless Access

LTE/3G Base Station

Internet

CA1

Carrier Aggregation

CA2

LTE/3G

WiFi 2.4/5 GHz Clients

2.4G 5G

LTE3316-M604

Desktop

IP Phone/Phone

Home

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

Application 2

Wireless Access

LTE/3G Base Station

Internet

LTE

WiFi 2.4/5 GHz Clients

2.4G 5G

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Desktop

IP Phone/Phone

Router

Home

Wire Broadband Access

—— Ethernet	((WiFi 5 GHz	((LTE/3G
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Datasheet LTE3316-M604