ZYXEL

LTE5366-M608
4G LTE-A Indoor IAD

The Zyxel LTE5366-M608 4G LTE-A Indoor IAD provides users with mobile broadband connectivity to take advantage of the latest carrier aggregation technology compatible with LTE, DC-HSPA+/HSPA/UMTS and EDGE/GPRS/GSM that allows users to connect with a variety of mobile broadband services all over the world. You can enjoy Triple-Play services, watch IPTV and listen to high-fidelity music and easily surf the Internet at home, in the office or anywhere within LTE/3G coverage without wire limitation.

Benefits

Lightning-fast Internet connectivity

The Zyxel LTE5366-M608 is a pioneering portable router with LTE category 6 compliance. The carrier aggregation technology delivers downlink data rates of up to 300 Mbps — twice which of the category 4 and is better than the fixed-line Ethernet — thanks to the modern technology, you can enjoy lightning-fast Internet now.

Fast 4G LTE-A connections for downlink speeds of up to 300 Mbps

Backward compatible with LTE/3G/2G networks

Dual-band, dual concurrent WiFi with 802.11ac 4x4 and 802.11n 2x2

Supports 2-band downlink carrier aggregation

CS voice/VoLTE

Supports MU-MIMO

Datasheet LTE5366-M608

AC2050 MU-MIMO dual-band wireless LAN

The Zyxel LTE5366-M608's latest MU-MIMO 802.11ac technology is perfect for busy environments: it doubles WiFi performance of Single User MIMO (SU-MIMO) in venues where concurrent wireless access activities are intensive.
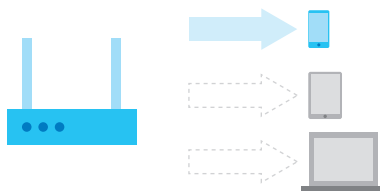
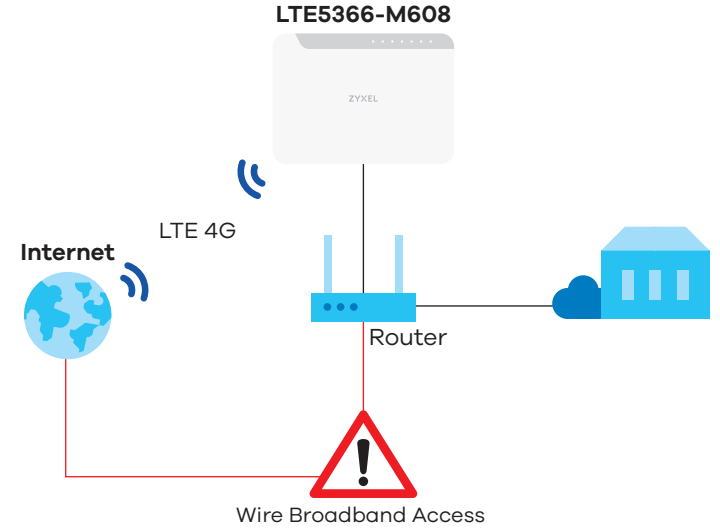**MU-MIMO**

LTE5366-M608
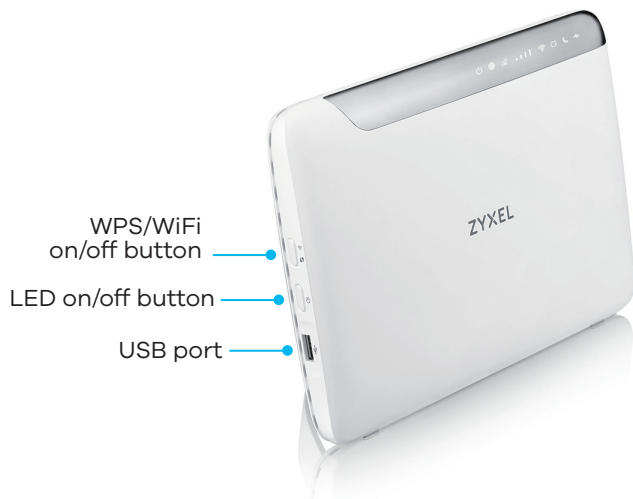
Transfer at the same time

SU-MIMO

Transfer one by one

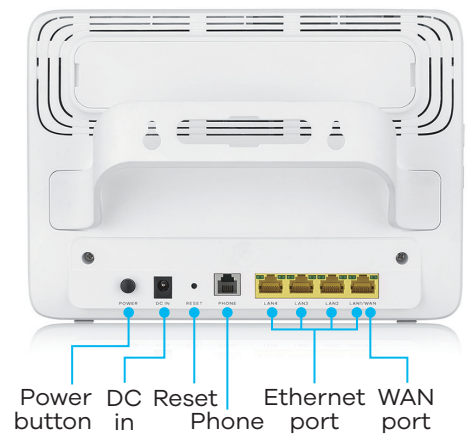## Non-stop connectivity with LTE 2nd WAN for fail-over

Multi-WAN fail-over relieves the risk of network outage caused by dependence on single-WAN technology. Even better, LTE is wireless so you can get the second WAN without an additional cabling plan. As long as the gateway supports "multi-WAN fail-over", you can just connect the Zyxel LTE5366 to the existing gateway and set LTE as the fail-over WAN.

LTE5366-M608

LTE 4G

Internet

Router

Wire Broadband Access

Front Panel

WPS/WiFi on/off button

LED on/off button

USB port

Rear Panel

Power button

DC in

Reset

Phone

Ethernet port

WAN port

Specifications

System Specifications

IP Networking
- Support IPv4 and IPv6 dual stack
- Multiple APNs
- DHCP client/server/relay
- PPTP/L2TP/IPSec VPN pass through
- VPN clients
- IP firewall
- Router mode/Bridge mode (IP pass-through)
- NAT/NAPT/NAT disabling
- DNS, DDNS

WLAN Feature
- Auto channel selection
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM)
- Security: None, WEP Personal, WPA2-Personal, WPA+WPA2
- MAC address filtering with 64 address supported
- Multiple SSIDs/Hide SSIDs
- WLAN scheduling

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
  - Supports Audio CODEC: G.711 (U-law), AMR, AMR-WB, EVRC
  - DTMF over RTP
  - Voice Activity Detection (VAD)
  - Comfort Noise Generation (CNG)

System Management
- APN management
- SIM PIN management
- SMS management
- Secure remote management via WebGUI
- TR-069
- Over-The-Air (OTA) firmware upgrade: TR-069/WebGUI
- Dual firmware with fallback option
- Multiple configurations

Hardware Specifications

LTE Air Interface
- Standard compliant: 3GPP Release 10 category 6
- Supported frequency:
  - LTE FDD 2600/2100/1800/900/850/800 MHz (band 1/3/7/8/20)
  - LTE TDD 2600/2300 MHz (band 38/40)
- Carrier aggregation support: B1+B1/B1+B3/B1+B7/B1+B8/B1+B20 B3+B3/B3+B7/B3+B8/B3+B20 B7+B7/B7+B8/B7+B20 B38+B38/B40+B40
- LTE Antenna: 2 internal antennas
- FDD LTE Peak data rate:
  - 300 Mbps DL within 40 MHz bandwidth (CA)
  - 50 Mbps UL within 20 MHz bandwidth
- TDD LTE Peak data rate:
  - 224 Mbps DL within 40 MHz bandwidth (CA)
  - 10 Mbps UL within 20 MHz bandwidth

UMTS/EDGE/GPRS/GSM Air Interface
- Standard compliant: DC-HSDPA/HSPA+ compliant
- Supported frequency:
  - HSPA+/UMTS 2100/900 MHz (band 1/8)
  - EDGE/GPRS/GSM 1900/1800/900/850 MHz (band 2/3/5/8)
  - DC-HSPA+ downlink data rate up to 42 Mbps
  - HSUPA uplink data rate up to 5.76 Mbps
  - UMTS data rate up to 384 kbps
  - EDGE data rate up to 236.8 kbps
  - GPRS data rate up to 85.6 kbps

WiFi Air Interface
- Wireless standard:
  - IEEE 802.11 b/g/n, 2.4 GHz
  - IEEE 802.11 a/n/ac, 5 GHz
- Wireless speed:
  - 300 Mbps* for 2.4 GHz
  - 1733 Mbps* for 5 GHz
- WiFi 2.4 GHz antenna: 2x2 internal antennas
- WiFi 5 GHz antenna: 4x4 internal antennas

Hardware Interface
- Four 10/100/1000 Mbps Ethernet RJ-45 LAN ports, LAN1 can be configured for Ethernet WAN port
- LEDs: Power indication, LTE connection status, LTE signal status, WiFi connection status, FXS status USB host status
- Two external LTE/3G/2G antenna ports (SMA-Female)
- One 2FF format/Mini SIM card slot
- One Power on/off button
- One WPS/WiFi on/off button
- One LED on/off button
- One reset button
- One FXS POTS phone ports for conventional phone (RJ-11 plug)
- One USB 2.0 Host port for file sharing

Physical Specifications
- Dimensions (WxDxH): 230 x 160 x 30 mm

Environmental Specifications

Operating Environment
- Temperature: 0°C to 40°C (32°F to 104°F)
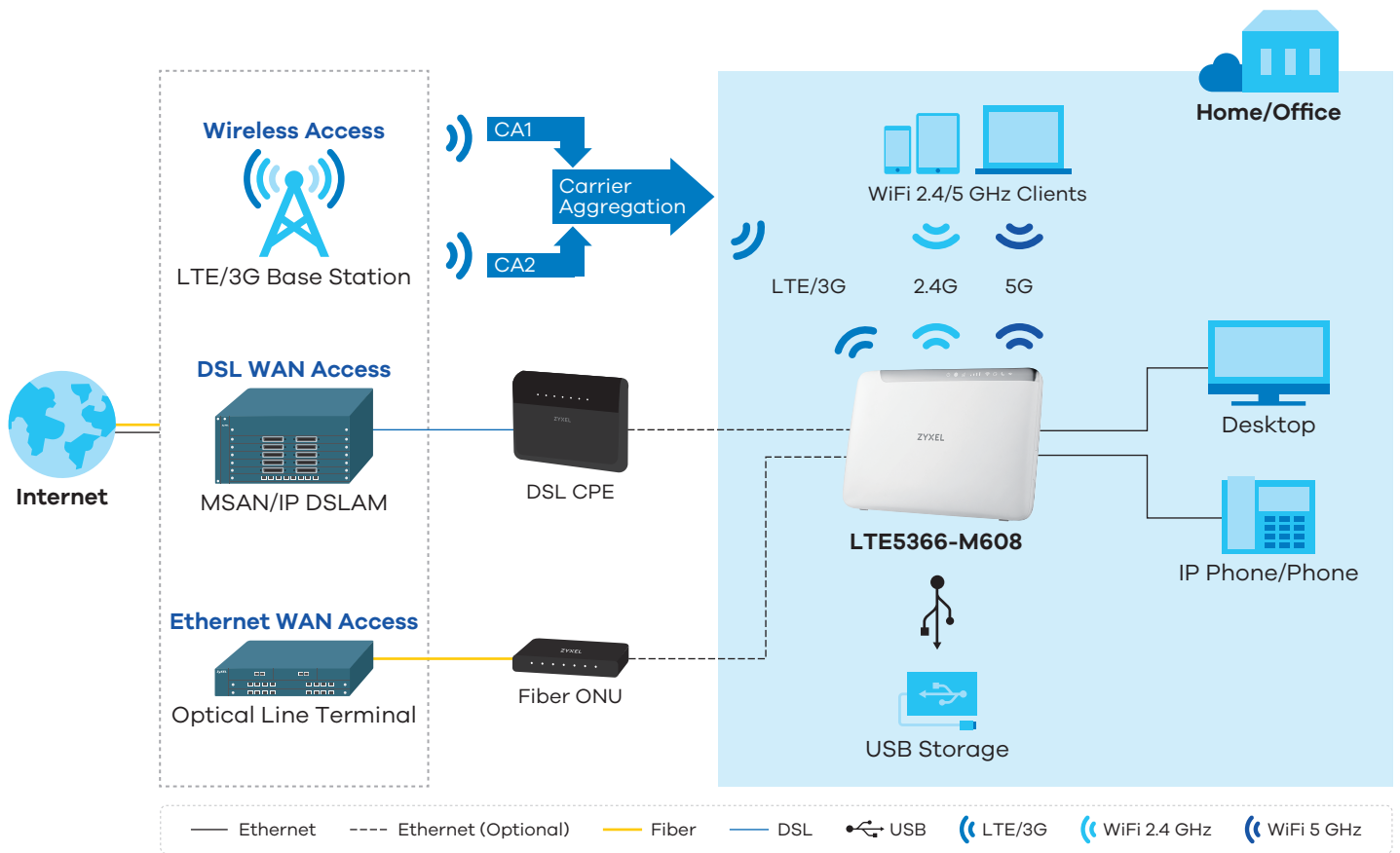- Humidity: 10% to 90% (Non-condensing)

Storage Environment
- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 0% to 95% (Non-condensing)

Power Specification
- External power supply: 110 to 240V AC/12V DC adaptor
- Power consumption at peak: < 20W

* 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.

Application Diagram

Wireless Access
- LTE/3G Base Station
- CA1
- CA2
- Carrier Aggregation

DSL WAN Access
- MSAN/IP DSLAM
- DSL CPE

Ethernet WAN Access
- Optical Line Terminal
- Fiber ONU

Internet

LTE5366-M608

Home/Office
- WiFi 2.4/5 GHz Clients
- LTE/3G
- 2.4G
- 5G
- Desktop
- IP Phone/Phone
- USB Storage

Legend: Ethernet —— · Ethernet (Optional) ---- · Fiber —— · DSL —— · USB · LTE/3G · WiFi 2.4 GHz · WiFi 5 GHz

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