



## LTE5388-S905

### 4G LTE-A Indoor Router

Zyxel LTE5388-S905 4G LTE-A Indoor Router supports Cat. 16 and 3.5 GHz CBRS band by sharing their spectrums across legacy and new users. This provides your subscribers with a high-speed internet service and enables fast customer service without the reconstruction of wires.








### Benefits

#### Lightning-fast internet connectivity

Zyxel LTE5388-S905 employs 3GPP UE downlink Category 16, with high-level practice LTE-A technology and data rates of up to 580/30 Mbps\* (DL/UL). The built-in 4x4 MIMO high-performance antennas increase your service capacity and expand the internet coverage for your subscribers.

#### Easy installation with a space-saving design

The simple and intuitive device design of Zyxel LTE5388-S905 provides your subscribers with trouble-free installation and configuration experience, while allowing you to maintain an excellent service quality with a lower OPEX.

-  Supports LTE band 48 (CBRS)
-  3GPP Release 12 Cat. 16/up to 580/30 Mbps\* (DL/UL)
-  Built-in 4x4 MIMO, high-performance antennas
-  Multiple APNs for traffic classification and mapping
-  Bridge and router modes
-  Remote management via TR-069 (TR-181 and TR-143 speed test) HTTP/web GUI and FTP
-  Zyxel mobile apps (iOS and Android)

## Boosts efficiency of the existing infrastructure with dual-mode flexibility

The Zyxel LTE5388-S905 supports the bridge/router function, allowing you to start a new deployment or upgrade services by connecting to the subscriber's existing broadband router with a lower CAPEX. The compatible Zyxel mobile app saves the cost of purchasing additional configuration apps for your subscribers and reduces service calls during the installation process.

## Remote management for lower OPEX

With TR-069, TR-181 and TR-143 support, the Zyxel LTE5388-S905 effectively secures OPEX by reducing the frequency of on-site support and by providing simplified diagnostic, configuration and troubleshooting processes.

## Specifications

### System specification

#### IP networking

- Supports IPv4/IPv6 dual stack
- DHCP server
- VPN pass-through
- Supports NAT/NAPT
- Supports DMZ
- Supports ICMP
- Supports port forwarding/triggering
- Supports ALG

#### Routing

- Supports bridge/router modes
- Supports dynamic DNS for first APN
- Supports remote management under bridge mode

#### IP firewall

- Firewall can be enabled or disabled via GUI
- Dos attack detection
- Supports SPI
- Application-level firewall
- Filters LAN MAC address
- Filters LAN IP address
- Filters URLs

#### Management

- Supports local/remote device management and firmware upgrade via TR-069 and web GUI
- Supports remote throughput testing (TR-143)
- APN management

- Supports STUN (TR-111) for remote management network selection
- PIN/PUK management
- CLI/SSH (local and remote SSH access)
- Supports UPNP IGD
- Supports SSH with key access
- Supports mobile apps (iOS and Android)
- Supports remote management via Band Pilot

### Hardware specifications

#### LTE interface

- Standard-compliant: 3GPP UE Category 16
- Supports LTE band 48 (CBRS) (LTE TDD 3550-3700 MHz)
- Supports DL TM1/2/3/4/6/7/8/9
- LTE antennas: 4 embedded omni-directional antennas of up to 5 dBi per element (4x4 MIMO)
- Supports DL 2CC, 4x4 MIMO, 8 spatial streams
- Supports DL up to 4 Carrier Aggregations, UL up to 2 Carrier Aggregations
- Supports DL modulations QPSK, 16-QAM, 64-QAM and 256-QAM
- Supports UL modulations QPSK, 16-QAM and 64-QAM
- Supports DL speeds of up to 580 Mbps by TDD config. 2\*

- Supports UL speeds of up to 30.2 Mbps by TDD config. 2\*
- Max EIRP:
  - 23 dBm/10 MHz

#### WiFi interface for management

- 802.11 n/g/b, 2.4 GHz
- Hidden SSID
- 2 embedded antennas
- For local management purpose only

#### Hardware interface

- One GbE RJ-45 LAN port
- LED:
  - Power (green)
  - Internet status (green)
  - LTE signal strength (green/red/orange)
  - WiFi & WPS status (green)
  - LAN port status (green)
- One WPS button
- One 3FF micro SIM card socket
- One reset to default button
- One power on/off button
- One DC power jack

## Power consumption

- 12 W (peak)

## Physical specifications

- Item dimensions (WxDxH):  
100 x 100 x 205 mm  
(3.94" x 3.94" x 8.07")
- Item weight: 599 g (1.32 lb.)
- Packing dimensions (WxDxH):  
245 x 167 x 120 mm  
(9.65" x 6.58" x 4.72")
- Packing weight: 1275 g (2.81 lb.)

## Environment specification

### Operating environment

- Temperature:  
0°C to 40°C (32°F to 104°F)
- Humidity:  
10% to 90% RH (non-condensing)

### Storage environment

- Temperature:  
-30°C to 70°C (-22°F to 158°F)
- Humidity:  
5% to 95% (non-condensing)

## Certification

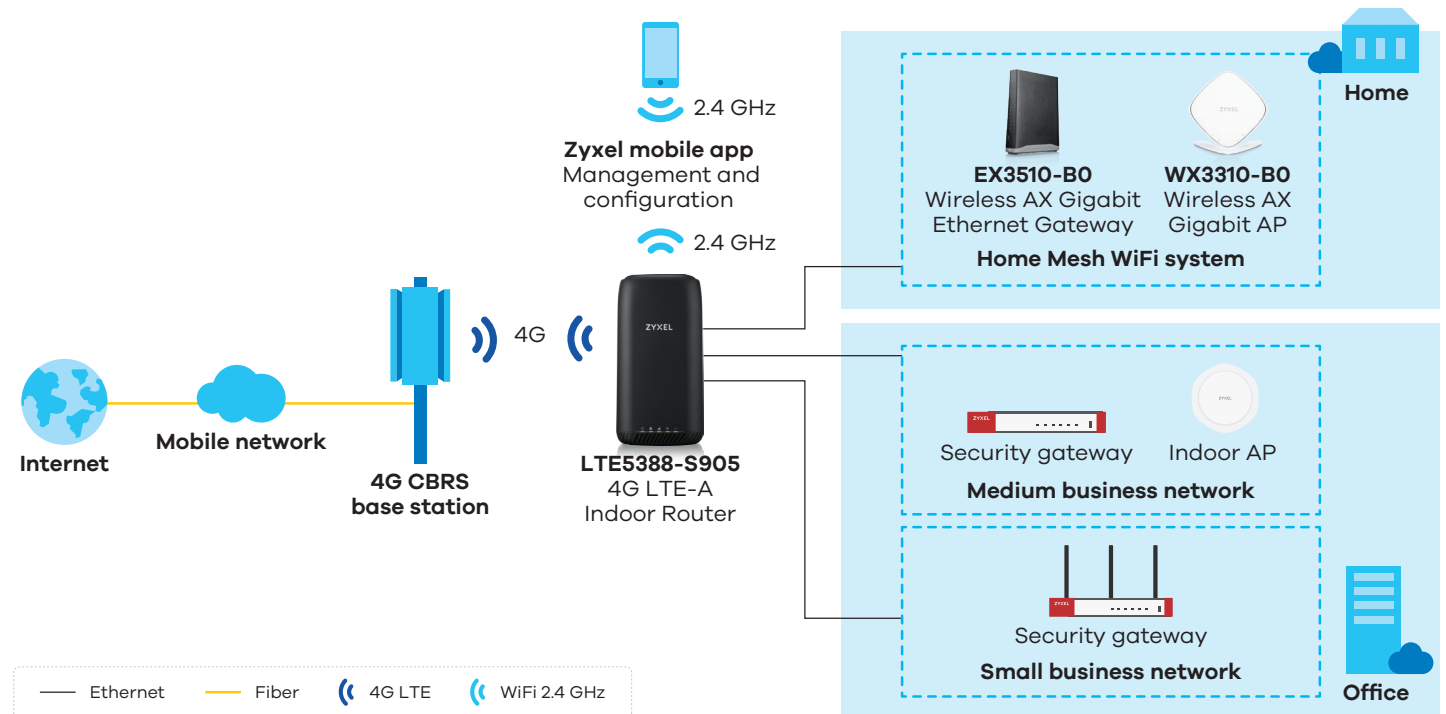
- FCC

## Package contents

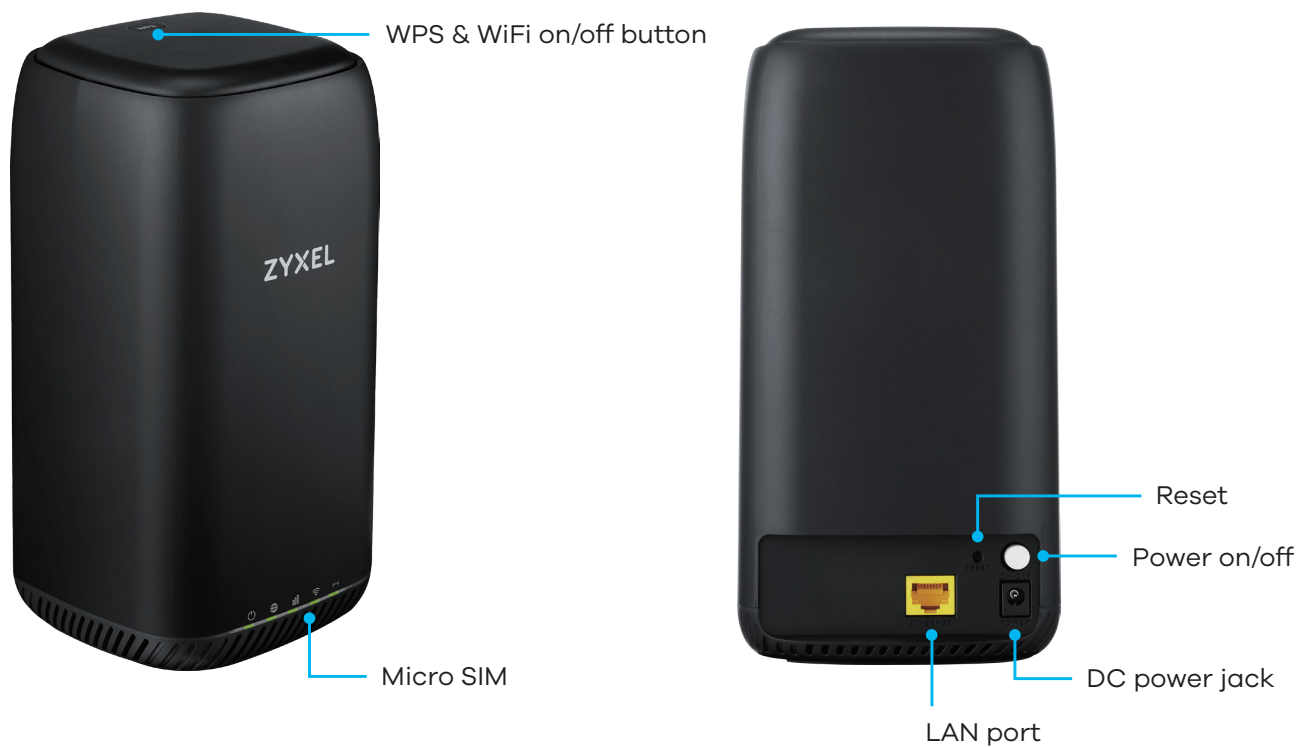
- Power adapter (12 V/2 A US plug)
- Ethernet cable
- Quick Start Guide

\* The maximum wireless data transfer rate is derived from IEEE Standard 802.11 and 3GPP specifications close to UE Category 16. Actual data transfer rates will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

## Application diagram



## Hardware description



For more product information, visit us on the web at [www.zyxel.com](http://www.zyxel.com)

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Datasheet [LTE5388-S905](#)



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