



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 Air app (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.

Easy installation with Zyxel Air

The LTE5388-S905 comes with an IEEE 802.3af/at Power over Ethernet (PoE) and a subscriber app – Zyxel Air. The intuitive user interface of Zyxel Air provides the necessary assistance from device setup to routine management. You can minimize service calls during the installation process while enhancing a satisfying user experience.



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 Zyxel Air app (iOS and Android) for easy installation
- Supports Band Pilot system management

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 omnidirectional 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

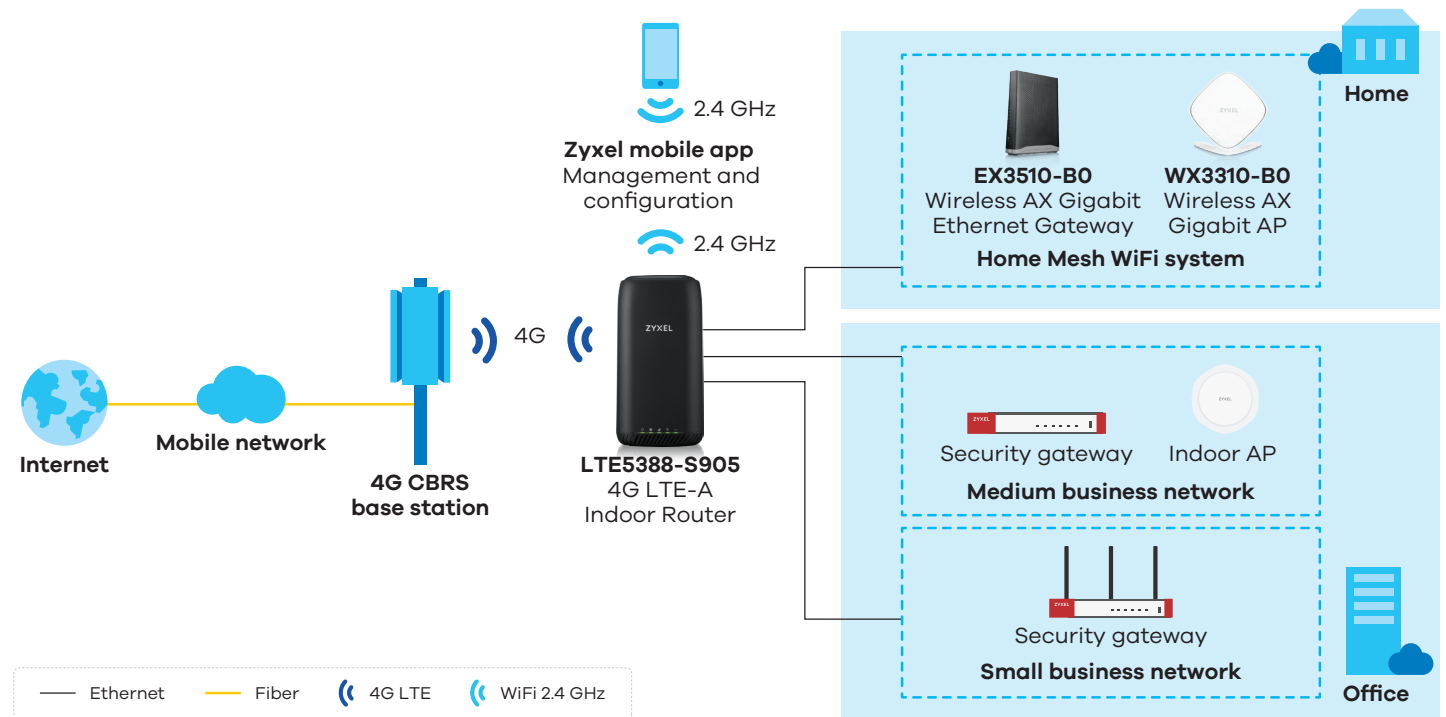
- FCC

Package contents

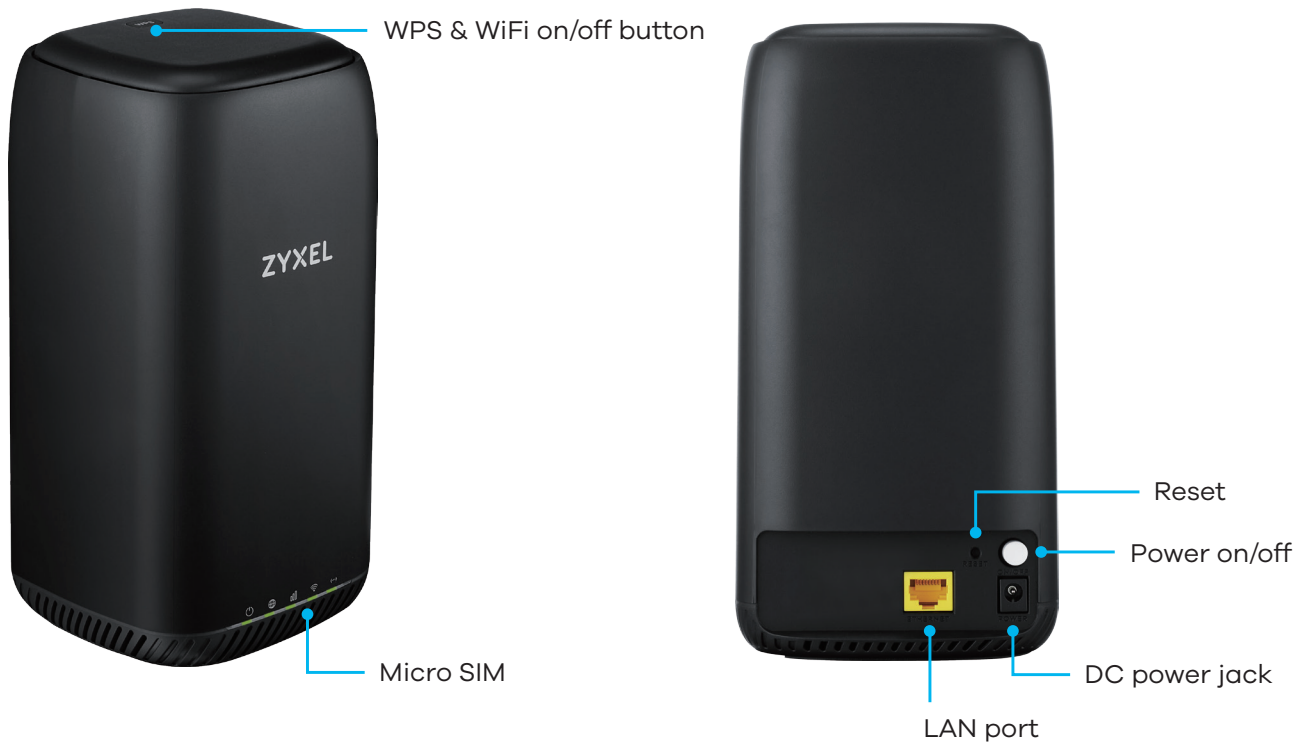
- Power adapter (12 V/2 A US plug)
- Ethernet cable
- Quick Start Guide

* 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



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Datasheet [LTE5388-S905](#)



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