



## LTE7480-M804

### 4G LTE-A Outdoor Router

Zyxel LTE7480-M804 4G LTE-A Outdoor Router supports Cat. 12 and perfect for the operators who are looking for 4G LTE FWA solutions to deliver high-capacity broadband services with deployment flexibility.

### Benefits

#### Lightning-fast internet connectivity

The Zyxel LTE7480-M804 4G LTE-A Outdoor Router employs 3GPP UE downlink Category 12 – the best-practice LTE technology with downlink data rates of up to 600 Mbps through 8 spatial streams on two component carriers.

#### Built-in 4x4 MIMO high-gain antenna

The Zyxel LTE7480-M804 4G LTE-A Outdoor Router provides 4x4 MIMO high-gain antennas of up to 8 dBi per element that work effectively in outdoor environments. The outdoor design enables it to work under near non-line-of-sight conditions to increase coverage and bandwidth as well as to eliminate edge corners having difficulty accessing good signals.



3GPP Release 12 Cat. 12/up to 600/150 Mbps\* (DL/UL)



Built-in 4x4 MIMO, directional high-gain antennas of up to 8 dBi per element



Standard 802.3af/at Gigabit PoE



Bridge and router modes, IPv4/IPv6 dual stack



Remote management via TR-069 (with TR-143 speed test), HTTP/web GUI



IP68 hardened enclosure with industrial grade components



Zyxel mobile apps (iOS and Android)

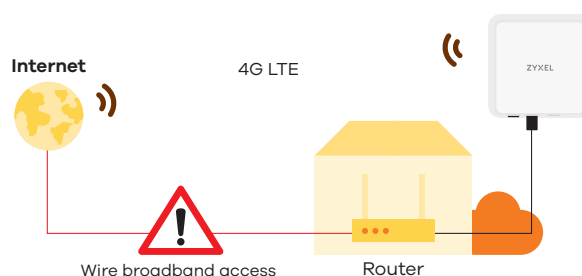
## Easy installation with Zyxel's mobile app

Easy installation is realized with a flexible wall or pole mounting kit, integrated 802.3af/at PoE injector support, and dedicated WiFi interface. The LTE7480-M804 connects to Zyxel's mobile app with intuitive RF signal strength graphics for base station alignment.



## Non-stop connectivity with LTE 2<sup>nd</sup> WAN for failover

The wireless LTE allows you to take advantage of the 2<sup>nd</sup> WAN without a cabling plan. As long as the gateway supports "Dual-WAN Failover", you can just connect Zyxel LTE7480-M804 to the existing gateway and set LTE as the failover WAN and relieve the risk of network outage.



## Remote management, TR-069, HTTP and web GUI

With TR-069, TR-181 and TR-143 support, the Zyxel LTE7480-M804 effectively secures OPEX by reducing the frequency of on-site support and by providing simplified diagnostic, configuration and troubleshooting processes.

## Environmentally-hardened

With IP68-compliant K.21 6 kV/300 A lightning protection, the Zyxel LTE7480-M804 guarantees high-quality connections, a longer device life despite the weather and natural challenges. The LTE7480-M804 can operate within a wide range of temperature and humidity, which supports your service deployed in wide territorial scopes.

## Specifications

### System specifications

#### IP networking

- Supports IPv4/IPv6 dual stack (NDP IPv6)
- DHCP server
- Supports ICMP
- Virtual Private Network (VPN) pass-through
- Roaming management
- Supports NAT/NAPT
- Supports NAT DMZ
- Supports port forwarding/triggering
- Supports ALG

#### Routing

- Supports router mode
- Supports bridge (IP pass-through) mode
- Supports dynamic DNS for first APN
- Supports remote management under bridge mode

#### IP firewall

- Firewall can be enabled or disabled via GUI
- DoS attack prevention
- 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 HTTP/web GUI
- APN management
- Account management
- PIN/PUK management
- Network selection
- Network preference
- Operating frequency band selection

- CLI/SSH (local and remote SSH access)
- Supports UPnP IGD
- Supports SSH with key access certification management
- Supports bandwidth/quota management
- Supports mobile apps (iOS and Android) for easy installation and local management only
- Supports remote throughput testing by TR143
- WiFi Protected Setup (WPS)
- Hidden SSID

## Hardware specifications

### LTE interface

- Standard-compliant: 3GPP UE Category 12
- Supports LTE bands: 1/3/5/7/8/20/28/32/38/40/41
- Supports DL TM1/2/3/4/7/8/9
- LTE antennas: 4 embedded directional antennas of up to 8 dBi/element (4x4 MIMO)
- Supports DL 2CC, 4x4 MIMO, 4 spatial streams
- Supports DL modulation QPSK, 16-QAM, 64-QAM and 256-QAM
- Supports UL modulation QPSK, 16-QAM and 64-QAM
- Supports DL speeds of up to 600 Mbps
- Supports UL speeds of up to 150 Mbps

### WiFi interface

- Wireless standards: 802.11 b/g/n, 2.4 GHz, 300 Mbps
- Wireless omni antennas: WiFi 2.4 GHz: 2x2 internal antennas up to 3 dBi

### Hardware interface

- One Gigabit RJ-45 PoE LAN port
- One LED indicator for:
  - Power status
  - Internet status
  - LTE signal strength
  - WiFi status
  - LAN status
- One WiFi on/off button
- One 3FF mini SIM card socket
- One reset to default button

### Power specifications

- Standard 802.3af/at PoE

## Power consumption

- 16 watt (peak)

## Physical specifications

- Item dimensions (WxDxH): 254 x 255 x 58 mm (9.99" x 10.03" x 2.28")
- Item weight: 1100 g (2.43 lb.)
- Package dimensions (WxDxH): 420 x 280 x 108 mm (16.54" x 11.02" x 4.25")
- Package weight: 3050 g (6.72 lb.)

## Environmental specifications

### Ingress Protection rating

- IP68 hardened for outdoor environments

### Lightning protection

- K.21 enhanced mode, 6 kV

### Operating environment

- Temperature: -40°C to 60°C (-40°F to 140°F)
- Humidity: 5% to 95% (non-condensing)

### Storage environment

- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 5% to 95% (non-condensing)

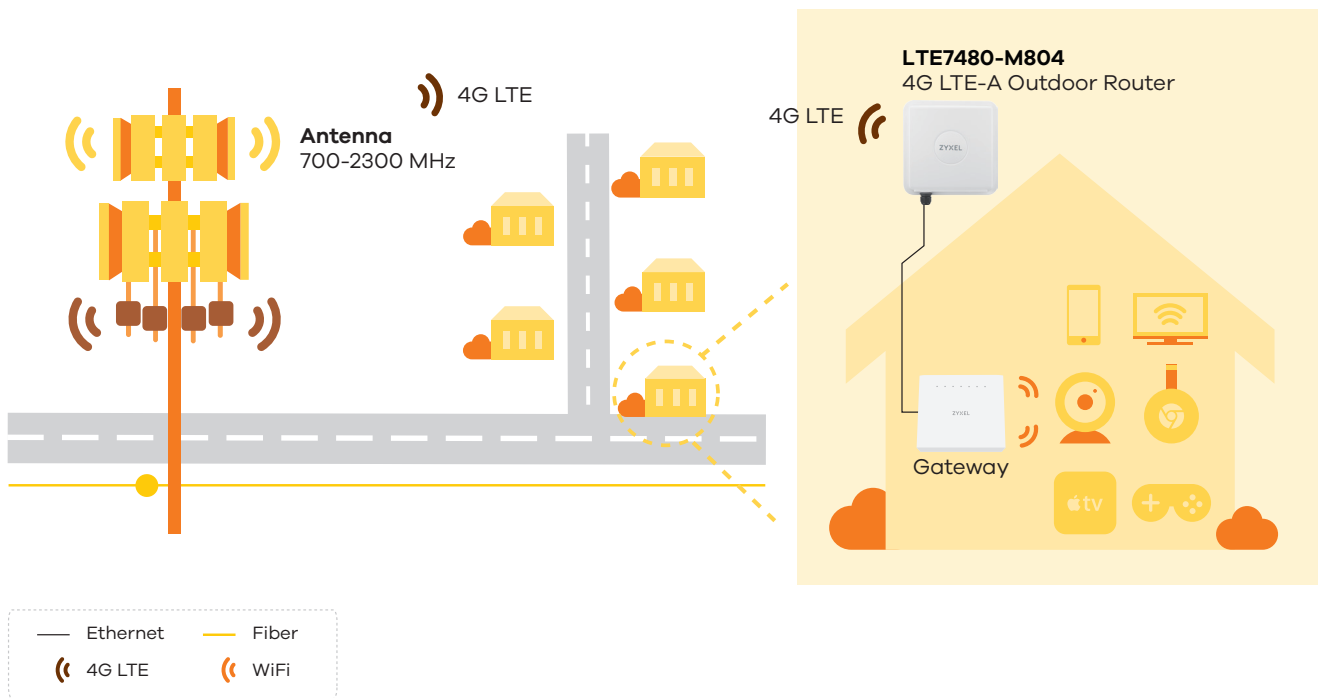
## Certification

- CE
- WEEE (Waste Electrical and Electronic Equipment) Directive certification
- RoHS (Restriction of Hazardous Substances) Directive certification
- HSF (Hazardous Substance Free)
- European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

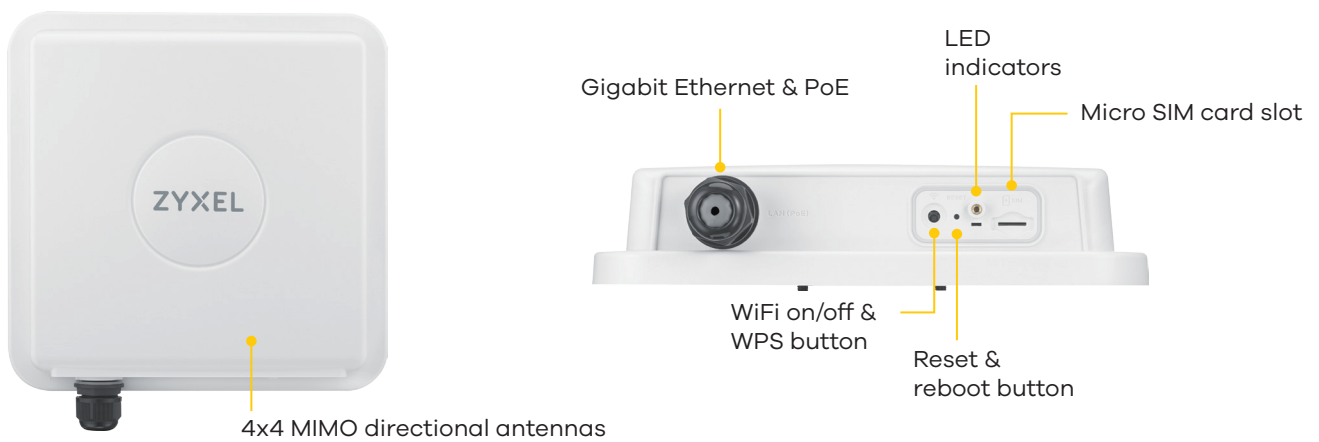
## Package contents

- Standard 802.3af/at Power over Ethernet (PoE) injector
- 1.8 M Ethernet cable 8P8C
- Power cord
- 1 M grounding kit
- PG19 thread (cable grand)
- Quick Start Guide
- Warranty card
- DoC and safety warning
- Wall/pole mounting kit
- Stand (optional)

## Application diagram



## Hardware description



For more product information, visit us on the web at <https://service-provider.zyxel.com>

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Datasheet [LTE7480-M804](#)



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