



LTE7240-M403

LTE Outdoor Router

As mobile devices such as smart phones and tablets consume more wireless broadband, the crowded bandwidths have become a big issue to operators. Mobile broadband is a better solution than fixed-line broadband for its lower investment and faster deployment. However, since fixed lines have been the major broadband infrastructure in most places of the world for a long time, people are already using fixed lines for broadband Internet connection in most cases. Migrating from fixed lines to mobile broadband may need extensive evaluation, however adding mobile broadband as a backup for better performance or stability could be an easier decision.

The ZyXel LTE7240-M403 4G LTE Outdoor Router comes with what the critical feature, "the second WAN", needs – flexible routing mode with both bridge and router functions, high-gain antenna for better signal and performance as well as robust IP54 outdoor hardware designed for harsh environments. No matter you have a router device or not, the LTE7240-M403 can be easily deployed and integrated into your existing environment. You can set LTE as your main connection or use LTE as a backup when performance of the main connection drops. The LTE7240-M403 is good for any venue like suburban areas, public locations, homes and offices. Enjoy LTE technology with minimum effort with the LTE7240-M403.



3GPP release 9 Category 4



Data rates of up to
150/50 Mbps (DL/UL)



Router mode & Bridge mode



Remote provisioning and
management through TR-069



Support Power over Ethernet
(PoE)

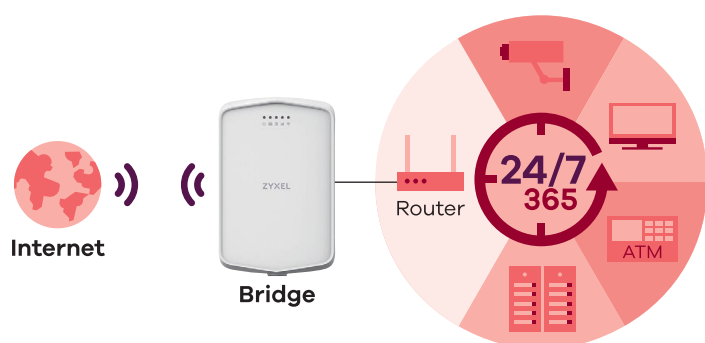


High performance antennas
embedded

Benefits

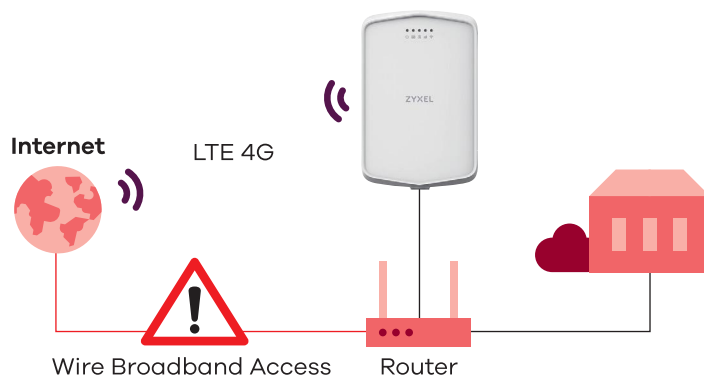
Embedded bridge/router mode adapts to all kinds of devices/gateways

For better network integration, Zyxel embeds both bridge and router modes into the LTE7240-M403. While users can take advantage of the built-in routing functions in all typical applications, the bridge mode is designed to work with users' existing or preferred devices such as high-end Wi-Fi Access Points, Small Business Gateways or Enterprise Gateways. With the two built-in modes, the LTE7240-M403 can be easily integrated with all kinds of devices/gateways.



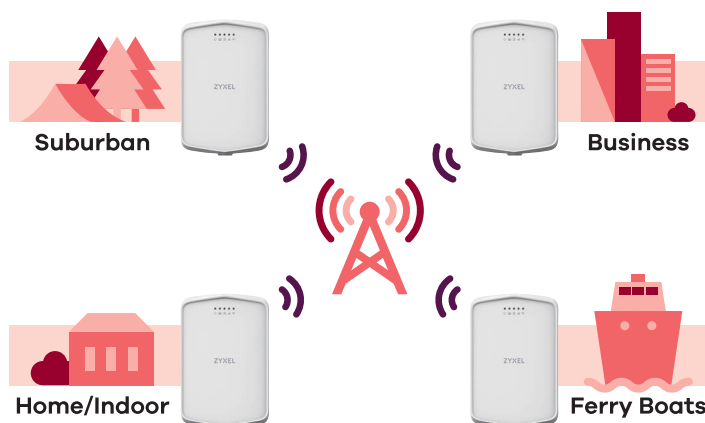
Non-stop connectivity with LTE 2nd WAN for fail-over

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 LTE7240-M403 to the existing gateway and set LTE as the fail-over WAN.



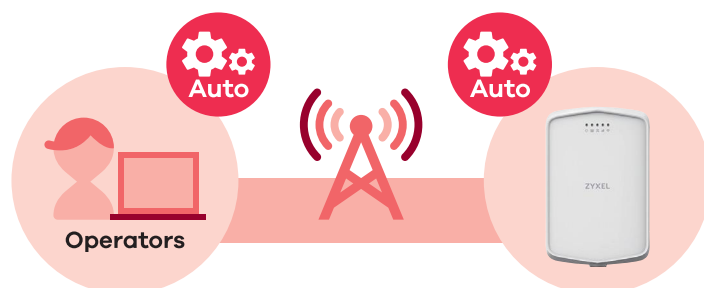
Built-In multi-band antenna

Zyxel's LTE7240-M403 4G LTE Outdoor Router provides multi-band embedded antennas of up to 7 dBi that work effectively in outdoor environments. The outdoor-friendly design makes it possible to work in near non-line-of-sight conditions where desirable signal strength was difficult to achieve.



Software upgrades over-the-air

Through the LTE radio interface, the Zyxel LTE7240-M403 supports TR-069 has full over-the-air configuration and software upgrade capability through events triggered by the operators.



Specifications

System Specifications

IP Networking

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

Routing

- Support Bridge/Router mode
- Support Dynamic DNS for first APN
- Static/dynamic route setting for RIP v1/v2
- Support Remote Management under Bridge Mode
- Address Resolution Protocol

IP Firewall

- Firewall can be enabled or disabled via GUI
- DoS Attack Prevention
- Support SPI
- Application-Level Firewall
- Filters LAN MAC address
- Filters LAN IP address
- Filters URLs

Management

- Support Local/Remote device management and firmware upgrade via TR-069 and Web GUI
- SMS management
- APN management
- PIN/PUK management
- Network selection
- Network preference
- Operating frequency band selection
- CLI/SSH (Local and remote SSH access)
- Support UPNP IGD
- Support SSH with key access
- Support Bandwidth/Quota management
- Support Web server API to support APPs

Hardware Specifications

LTE Interface

- Standard compliant: 3GPP UE Category 4
- Supported frequency: Band 1/3/5/7/8/20/38/40/41
- FDD LTE peak data rate:
 - 150 Mbps DL within 20 MHz bandwidth
 - 50 Mbps UL within 20 MHz bandwidth
- TDD LTE peak data rate:
 - 112 Mbps DL within 20 MHz bandwidth
 - 10 Mbps UL within 20 MHz bandwidth

UMTS/EDGE/GPRS/GSM Air Interface

- Standard compliant: WCDMA Rel'99 and Rel'10 DC-HSPA+; GSM/GPRS/EGPRS Rel'99
- Supported frequency:
 - UMTS band 1/5/8
 - EDGE/GPRS/GSM band 3/8
 - 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

LTE/UMTS/GPRS Antennas

- 2 embedded antennas of up to 7 dBi

Power Specifications

- Passive power over Ethernet
- Power consumption at jack: < 10W

WiFi AP Features

- 802.11 n/g/b, 2.4 GHz, N300
- Hidden SSID
- MAC Address Filtering
- For local management purpose only

Hardware Interface

- One 10/100/1000 Mbps Ethernet RJ-45 LAN port
- LEDs:
 - Power & signal and quality
 - Internet status/SMS
 - WiFi status
 - LAN status
- One 3FF format mini SIM card slot
- One WLAN button
- One reset to default button

Power Consumption

- 15V/1A Power over Ethernet (PoE)

Physical Specifications

- Dimensions (WxDxH): 140 x 60 x 200 mm (5.51" x 2.36" x 7.87")
- Weight: 800g (1.76 lb.)

Environmental Specifications

Ingress Protection Rating

- IP54 enclosures

Operating Environment

- Temperature: -20°C to 60°C (-4°F to 140°F)
- Humidity: 5% to 95% (Non-condensing)

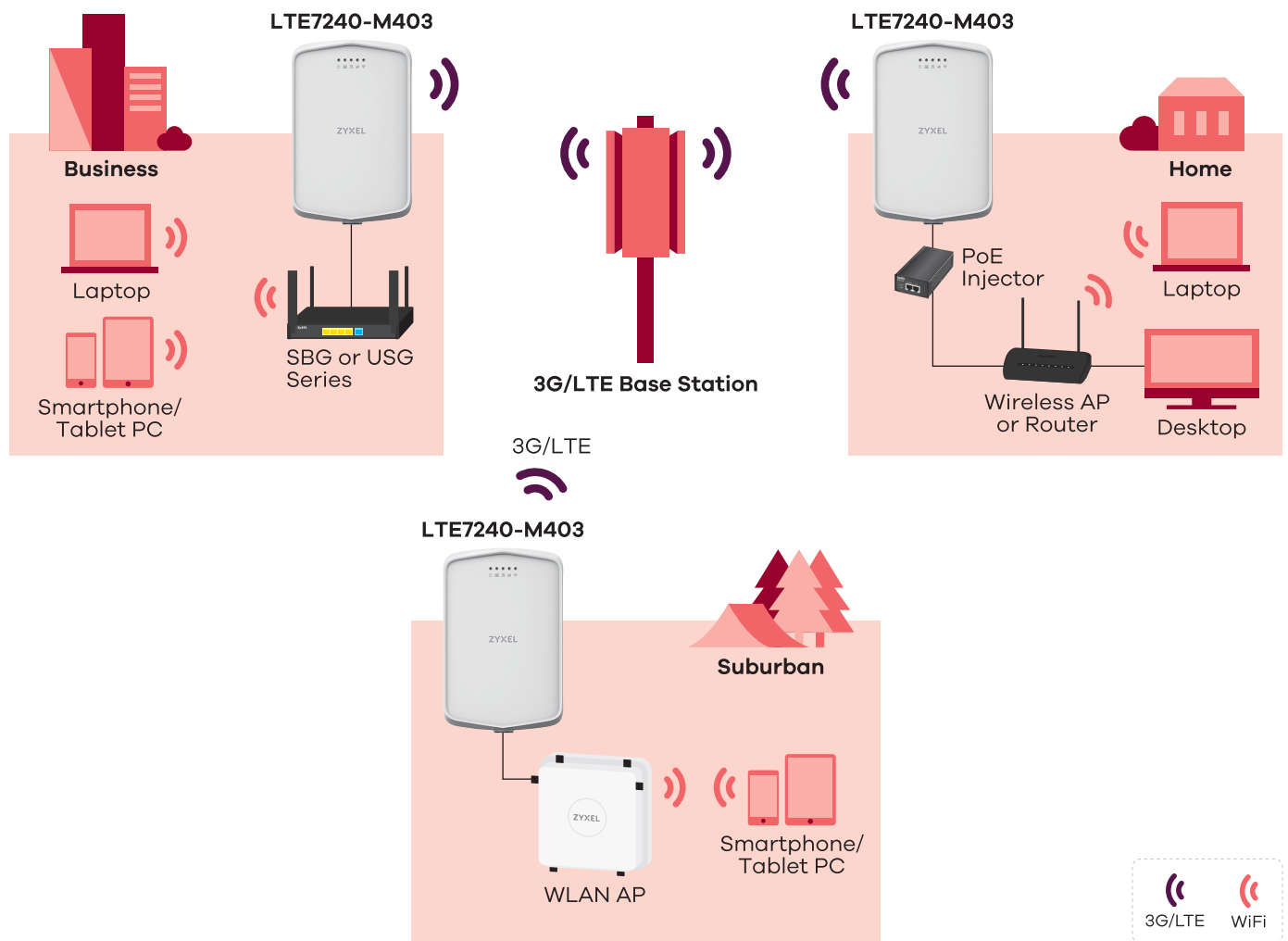
Storage Environment

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

Certification

- CE/Safety

Application Diagram



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