

A large, glowing white circle is centered in the upper half of the image. Inside the circle, three modern skyscrapers are visible, their glass facades reflecting light. The background is a dark, teal-colored sky with a subtle gradient. The entire scene is reflected on a dark, glossy surface at the bottom of the upper section.

5G

# Empower the Future

**Mobile Broadband**  
Product Guide  
(Channel Version)

- Outdoor Routers
- Indoor Routers
- Mobile Hotspots

# Why mobile broadband

Don't want a wired Internet connection or can't get one? Mobile broadband is the best solution for you.

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## Free from Wired Connection

Many places are not available for wired connectivity such as rural areas. Mobile broadband internet connectivity utilizes wireless network technology rather than fixed lines, so your internet isn't constrained by landline or cable connection.

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## Enjoy Internet Mobility

As mobile broadband aren't tied to fixed-line, you can take the broadband connection with you to other places. You can also bring broadband connection with you to other countries.

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## More Bang for Your Buck

Stop waiting for an engineer to visit to install and activate a line. If you move into a new-building or rental home, you can have internet on the same day. Cancel your landline and save some cost on your bills. It's an absolute bargain, so start saving money and time!

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## Faster Internet Speed

4G LTE broadband is comparable in speed to fixed broadband connection. The upcoming 5G technology and Fixed Wireless Access (FWA) playing a vital role in this. 5G FWA will offer expanded network capacity along with download rates of up to 1 Gbps.



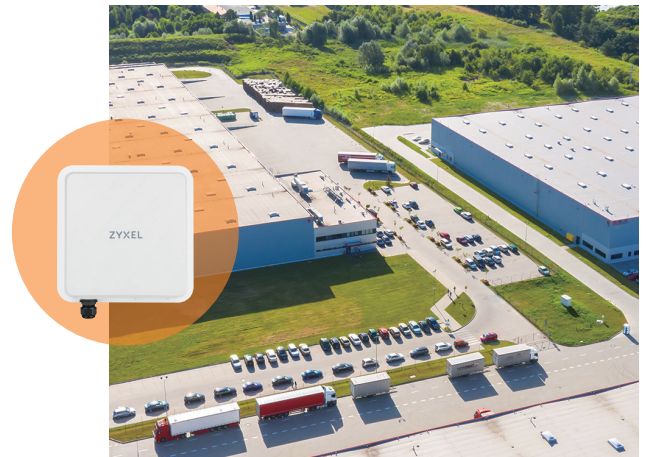
# Zyxel offers continuous wireless broadband for any occasion

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## Outdoor Router

It offers internet connectivity that utilizes state-of-the-art wireless network technology. Free yourself from cabled installation. The outdoor-friendly design makes it possible to work in harsh environment.

Perfect for your holiday homes, transportations, public locations, and any places without stable wired network.



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## Indoor Router

It not only allows you to completely abandon the wired connection but also being a backup or primary connection through LTE. Set LTE as your main or backup internet gateway for your office or home. Enjoy non-stop connectivity with minimum effort for your business and family.

It is your best choice for small business office, shop, home and any place that needs continuously network.



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## Mobile Hotspot

It is the hotspot solution to enhance your WiFi sharing capabilities. It's born for those who are frequent travelers, need internet and share its connection to others. It helps you get the best connection for your lifestyle at anytime and anywhere.

Simply bring it with you while you're going for those weekends or business trips. Use it on the go!



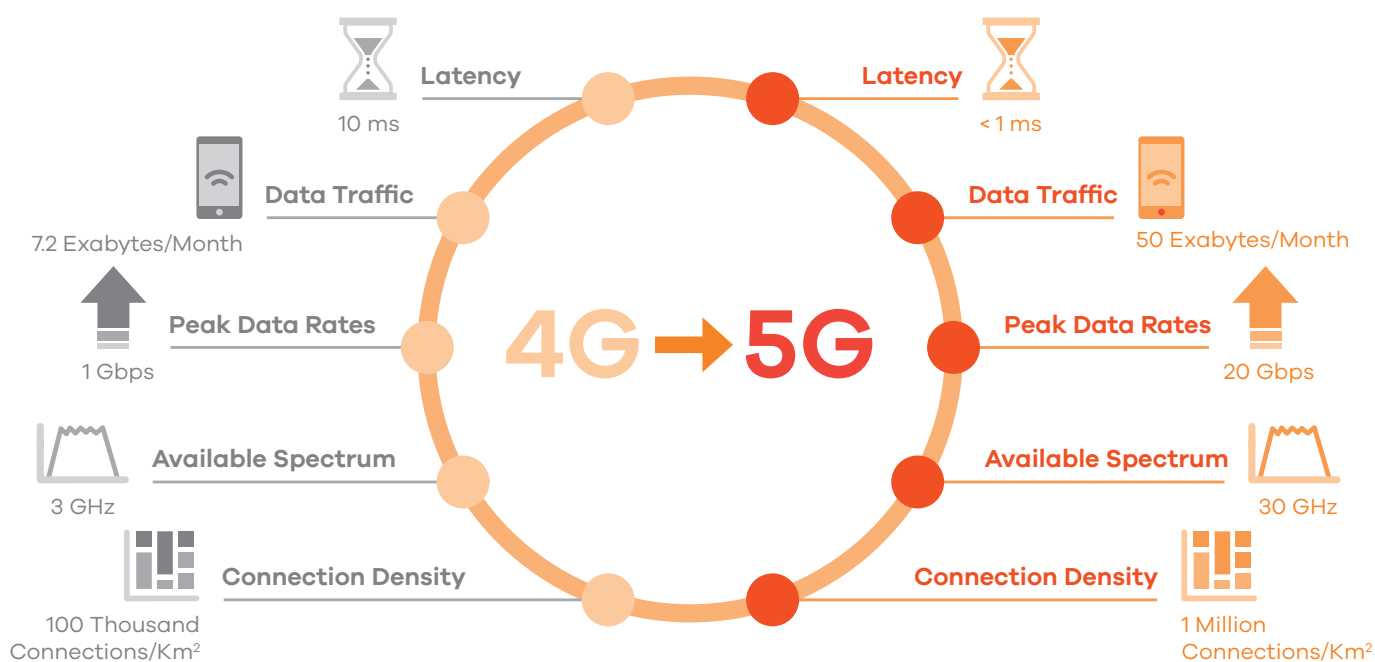


# 5G NR

## Empower the Future

5G mobile data speeds that can outperform some of the fastest broadband networks currently available to consumers. With 5G, high amounts of data can be transmitted more efficiently than 4G LTE. Get stronger network reliability, faster downloads, lower latency,

more consistent performance and support for more connected devices than ever before. Empower your future with 5G, let it be your backbone of your network and begin to live a smarter life and pave the way for your future business success!



## Our Comprehensive 5G Product Lineups

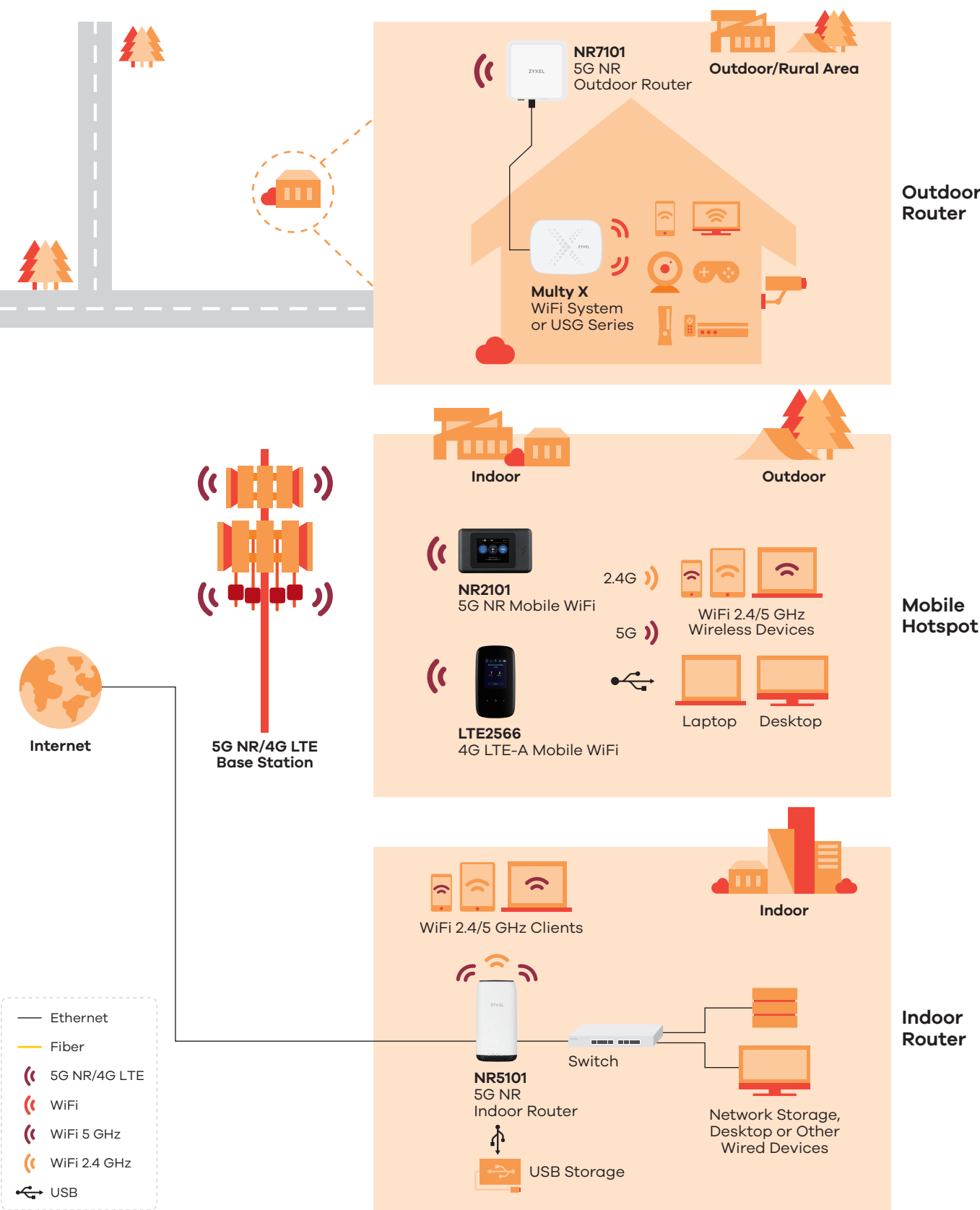


**NR7101**  
5G NR Outdoor Router

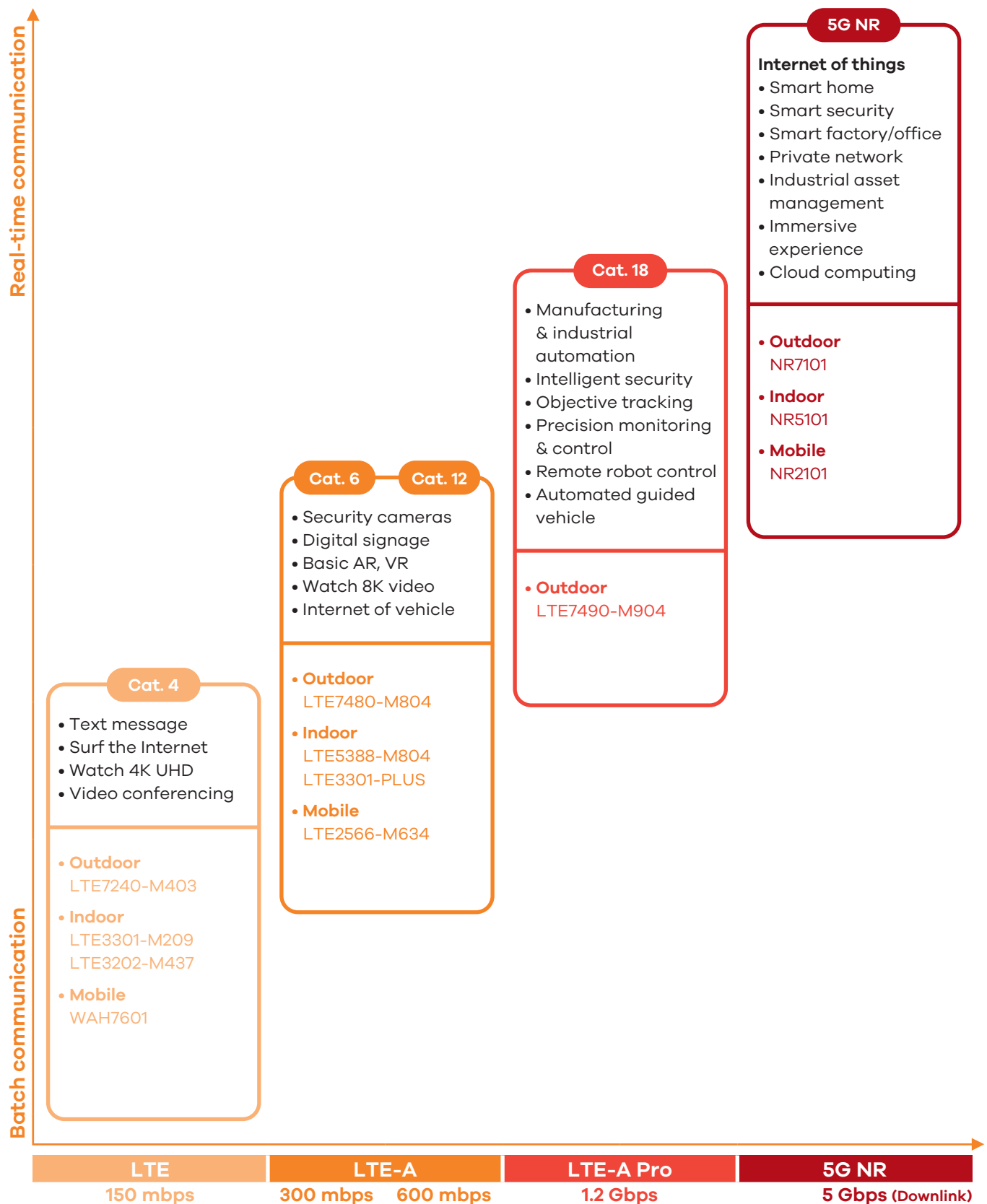
**NR2101**  
5G NR Mobile WiFi

**NR5101**  
5G NR Indoor Router

# Mobile broadband network



# Pick the right 4G LTE/5G NR technology



# Mobile broadband product portfolio

|                |         | 5G NR                                                                                                                                              | Cat. 18                                                                                                                                                         | Cat. 12                                                                                                                                                     | Cat. 6                                                                                                                                                       | Cat. 4                                                                                                                                                      |
|----------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobile Router  | Outdoor | <div></div> <div><b>NR7101</b><br/>5G NR<br/>Outdoor Router</div> | <div></div> <div><b>LTE7490-M904</b><br/>4G LTE-A Pro<br/>Outdoor Router</div> | <div></div> <div><b>LTE7480-M804</b><br/>4G LTE-A<br/>Outdoor Router</div> |                                                                                                                                                              | <div></div> <div><b>LTE7240-M403</b><br/>4G LTE<br/>Outdoor Router</div> |
|                | Indoor  | <div></div> <div><b>NR5101</b><br/>5G NR<br/>Indoor Router</div> |                                                                                                                                                                 | <div></div> <div><b>LTE5388-M804</b><br/>4G LTE-A<br/>Indoor Router</div> | <div></div> <div><b>LTE3301-PLUS</b><br/>4G LTE-A<br/>Indoor Router</div> | <div></div> <div><b>LTE3301-M209</b><br/>4G LTE<br/>Indoor Router</div> |
| Mobile Hotspot | Mobile  | <div></div> <div><b>NR2101</b><br/>5G NR<br/>Mobile WiFi</div>  |                                                                                                                                                                 |                                                                                                                                                             | <div></div> <div><b>LTE2566-M634</b><br/>4G LTE-A<br/>Mobile WiFi</div>   | <div></div> <div><b>WAH7601</b><br/>4G LTE<br/>Mobile WiFi</div>       |



# Key Features

| Category | Cat.                                                                                      | Model                                                                                                                                                                                     | Key Features                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outdoor  | <b>5G NR</b><br><b>FLAGSHIP</b><br><b>Best for smart factory</b>                          | <br><b>NR7101</b><br>   | <ul style="list-style-type: none"> <li>• 5G NR (Sub 6 GHz)/downlink 5 Gbps*</li> <li>• IP68 Ingress Protection</li> <li>• 6 built-in wide transmission directional antennas of up to 10 dBi</li> <li>• Supports SA/NSA mode, network slicing</li> <li>• Installation and real-time management app</li> <li>• Free app for finding the best installation signal spot</li> <li>• Remote management via TR-069, HTTP/web GUI</li> </ul> |
|          | <b>Cat. 18</b><br><b>Best for MB/factory</b>                                              | <br><b>LTE7490-M904</b>                                                                                  | <ul style="list-style-type: none"> <li>• LTE Cat. 18/downlink 1.2 Gbps*</li> <li>• IP68 Ingress Protection</li> <li>• 4 built-in high-gain directional antennas of up to 8 dBi</li> <li>• Free app for finding the best installation signal spot</li> <li>• * Remote management via TR-069, HTTP/web GUI</li> </ul>                                                                                                                  |
|          | <b>Cat. 12</b><br><b>Best for SMB/home business</b>                                       | <br><b>LTE7480-M804</b>                                                                                  | <ul style="list-style-type: none"> <li>• LTE Cat. 12/downlink 600 Mbps*</li> <li>• IP68 Ingress Protection</li> <li>• 4 built-in high-gain directional antennas of up to 8 dBi</li> <li>• Free app for finding the best installation signal spot</li> <li>• Remote management via TR-069, HTTP/web GUI</li> </ul>                                                                                                                    |
|          | <b>Cat. 4</b><br><b>Best for SMB/home</b>                                                 | <br><b>LTE7240-M403</b>                                                                                  | <ul style="list-style-type: none"> <li>• LTE Cat. 4/downlink 150 Mbps*</li> <li>• IP56 Ingress Protection</li> <li>• 2 built-in high-gain directional antennas of up to 7 dBi</li> <li>• Installation and real-time management app</li> <li>• Small size</li> </ul>                                                                                                                                                                  |
| Indoor   | <b>5G NR</b><br><b>FLAGSHIP</b><br><b>Best for smart home/business</b>                    | <br><b>NR5101</b><br> | <ul style="list-style-type: none"> <li>• 5G NR (Sub 6 GHz)/downlink 5 Gbps*</li> <li>• Share AX1800 WiFi 6 with 64 wireless devices</li> <li>• Supports SA/NSA mode, network slicing</li> <li>• Failover function</li> <li>• Supports bridge or router mode</li> <li>• 6 built-in omni-directional antennas</li> </ul>                                                                                                               |
|          | <b>Cat. 12</b><br><b>Best for MB</b>                                                      | <br><b>LTE5388-M804</b>                                                                                | <ul style="list-style-type: none"> <li>• LTE Cat. 12/downlink 600 Mbps*</li> <li>• Share AC2050 WiFi with 64 wireless devices</li> <li>• Failover function</li> <li>• Supports bridge or router mode</li> <li>• High-gain 4x4 MIMO built-in antennas</li> </ul>                                                                                                                                                                      |
|          | <b>Cat. 6</b><br><b>Best for SMB</b>                                                      | <br><b>LTE3301-PLUS</b>                                                                                | <ul style="list-style-type: none"> <li>• LTE Cat. 6/downlink 300 Mbps*</li> <li>• Share AC1200 WiFi with 32 wireless devices</li> <li>• 4 x GbE LAN ports (1 x WAN/3 x LAN)</li> <li>• Failover function</li> <li>• Easy WiFi connection with WPS function</li> </ul>                                                                                                                                                                |
|          | <b>Cat. 4</b><br><b>Best for SMB/home</b>                                                 | <br><b>LTE3301-M209</b>                                                                                | <ul style="list-style-type: none"> <li>• LTE Cat. 4/downlink 150 Mbps*</li> <li>• WiFi in-LAN service with up to 300 Mbps</li> <li>• Seamless switching between 4G LTE and 3G</li> <li>• Supports bridge or router mode</li> <li>• Easy WiFi connection with WPS function</li> </ul>                                                                                                                                                 |
|          | <b>Cat. 4</b><br><b>Best for home</b>                                                     | <br><b>LTE3202-M437</b>                                                                                | <ul style="list-style-type: none"> <li>• LTE Cat. 4/downlink 150 Mbps*</li> <li>• WiFi in-LAN service with up to 300 Mbps</li> <li>• Seamless switching between 4G LTE and 3G</li> <li>• Supports bridge or router mode</li> <li>• Easy WiFi connection with WPS function</li> </ul>                                                                                                                                                 |
| Mobile   | <b>5G NR</b><br><b>FLAGSHIP</b><br><b>Best for remote office/personal private network</b> | <br><b>NR2101</b>                                                                                      | <ul style="list-style-type: none"> <li>• 5G NR (Sub 6 GHz)/downlink 4 Gbps*</li> <li>• Share AX1800 WiFi 6 with 16 wireless devices</li> <li>• Up to 10 hours working hours (5,300 mAh)**</li> <li>• Built-in USB-C and Ethernet port</li> <li>• Real-time management with intuitive 2.4" touchscreen and app</li> </ul>                                                                                                             |
|          | <b>Cat. 6</b><br><b>Best for traveler/remote worker</b>                                   | <br><b>LTE2566-M634</b>                                                                                | <ul style="list-style-type: none"> <li>• LTE-A Cat. 6/downlink 300 Mbps*</li> <li>• Share AC1200 WiFi with 32 wireless devices</li> <li>• Up to 10 hours working hours (3,000 mAh)**</li> <li>• Real-time management with intuitive 2.4" touchscreen and app</li> </ul>                                                                                                                                                              |
|          | <b>Cat. 4</b><br><b>Good value</b>                                                        | <br><b>WAH7601</b>                                                                                     | <ul style="list-style-type: none"> <li>• LTE Cat. 4/downlink 150 Mbps*</li> <li>• Share N300 WiFi with 10 wireless devices</li> <li>• Micro SD card slot (32 GB max.)</li> <li>• Up to 8 hours battery life (2,000 mAh)**</li> <li>• Real-time management app</li> </ul>                                                                                                                                                             |

\* The maximum data rate is a theoretical value. The actual data rate depends on the operator and network environment

\*\* Battery life may vary in accordance with environmental conditions



# Frequency Band Comparison

## Outdoor Router

| Model                     |                     |            |        | 5G NR                                 | Cat. 18                                                                              | Cat. 12                                                                              | Cat. 6           |
|---------------------------|---------------------|------------|--------|---------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|
|                           |                     |            |        | NR7101                                | LTE7490-M904                                                                         | LTE7480-M804                                                                         | LTE7240-M403     |
| Ingress Protection Rating |                     |            |        | IP68                                  | IP68                                                                                 | IP68                                                                                 | IP56             |
| 5G                        | Band                | Freq (MHz) | Duplex |                                       |                                                                                      |                                                                                      |                  |
|                           | 1                   | 2100       | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 3                   | 1800       | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 5                   | 850        | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 7                   | 2600       | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 8                   | 900        | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 20                  | 800        | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 28                  | 700        | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 38                  | 1900       | TDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 40                  | 2300       | TDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 41                  | 2500       | TDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 77                  | 3700       | TDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 78                  | 3500       | TDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | DL 4x4 MIMO         |            |        | Yes                                   | -                                                                                    | -                                                                                    | -                |
| LTE                       | 1                   | 2100       | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 3                   | 1800       | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 5                   | 850        | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 7                   | 2600       | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 8                   | 900        | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 20                  | 800        | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 28                  | 700        | FDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | -                |
|                           | 32                  | 1500       | FDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | 38                  | 2600       | TDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 40                  | 2300       | TDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 41                  | 2500       | TDD    | Yes                                   | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 42                  | 3500       | TDD    | Yes                                   | -                                                                                    | -                                                                                    | -                |
|                           | DL CA               |            |        | Yes                                   | DL 2xCA:<br>intra-band and<br>inter-band<br>DL 3xCA:<br>intra-band and<br>inter-band | DL 2xCA:<br>intra-band and<br>inter-band<br>DL 3xCA:<br>intra-band and<br>inter-band | -                |
|                           | UL CA               |            |        | Yes                                   | UL 2xCA:<br>intra-band<br>contiguous                                                 | UL 2xCA:<br>intra-band<br>contiguous                                                 | -                |
|                           | DL 4x4 MIMO         |            |        | B1/3/7/38/40/41/42                    | B1/3/7/38                                                                            | B1/3/7                                                                               | -                |
|                           | DL 256-QAM          |            |        | Yes                                   | Yes                                                                                  | Yes                                                                                  | -                |
|                           | UL 64-QAM           |            |        | Yes<br>(supports 256QAM)              | Yes                                                                                  | Yes                                                                                  | -                |
|                           | MIMO (UL/DL)        |            |        | 1x4                                   | 1x4                                                                                  | 1x4                                                                                  | 1x2              |
| 3G                        | 1                   | 2100       | FDD    | -                                     | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 3                   | 1800       | FDD    | -                                     | Yes                                                                                  | Yes                                                                                  | -                |
|                           | 5                   | 2100       | FDD    | -                                     | Yes                                                                                  | Yes                                                                                  | Yes              |
|                           | 8                   | 900        | FDD    | -                                     | Yes                                                                                  | Yes                                                                                  | Yes              |
| WiFi AP                   | 802.11n 2x2         |            |        | Yes*                                  | Yes*                                                                                 | Yes*                                                                                 | Yes*             |
| Ethernet                  | GbE LAN             |            |        | x1 (PoE)                              | x1 (PoE)                                                                             | x1 (PoE)                                                                             | x1 (passive PoE) |
| SIM slot                  | Micro/Nano SIM slot |            |        | 2x 3FF format Micro<br>SIM card slots | Micro SIM                                                                            | Micro SIM                                                                            | Micro SIM        |
| Power                     | DC input            |            |        | PoE 48 V                              | PoE 48 V                                                                             | PoE 48 V                                                                             | PoE 15 V         |
| Ingress protection        |                     |            |        | IP68                                  | IP68                                                                                 | IP68                                                                                 | IP65             |

\* WiFi AP is used for management purpose only

# Frequency Band Comparison

## Indoor Router

| Model    |                     |            |        | 5G NR            | Cat. 12                                                                              | Cat. 6                                                                                                              | Cat. 4       | Cat. 4       |
|----------|---------------------|------------|--------|------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------|--------------|
|          |                     |            |        | NR5101           | LTE5388-M804                                                                         | LTE3301-PLUS                                                                                                        | LTE3202-M437 | LTE3301-M209 |
| 5G       | Band                | Freq (MHz) | Duplex |                  |                                                                                      |                                                                                                                     |              |              |
|          | 1                   | 2100       | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 3                   | 1800       | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 5                   | 850        | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 7                   | 2600       | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 8                   | 900        | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 20                  | 800        | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 28                  | 700        | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 38                  | 2600       | TDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 40                  | 2300       | TDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 41                  | 2500       | TDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 77                  | 3700       | TDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 78                  | 3500       | TDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | DL 4x4 MIMO         |            |        | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
| LTE      | 1                   | 2100       | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 3                   | 1800       | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 5                   | 850        | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | -            | -            |
|          | 7                   | 2600       | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 8                   | 900        | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 20                  | 800        | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 28                  | 700        | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes (28A)    | Yes          |
|          | 32                  | 1500       | FDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | 38                  | 2600       | FDD    | Yes              | -                                                                                    | -                                                                                                                   | Yes          | -            |
|          | 40                  | 2300       | TDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 41                  | 2500       | TDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | -            |
|          | 42                  | 3600       | TDD    | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | DL CA               |            |        | Yes              | DL 2xCA:<br>intra-band and<br>inter-band<br>DL 3xCA:<br>intra-band and<br>inter-band | B1+B1/B5/B8/<br>B20/B28<br>B3+B3/B5/B7/<br>B8/B20/B28<br>B7+B5/B7/B8/<br>B20/B28<br>B38+B38;<br>B40+B40;<br>B41+B41 | -            | -            |
|          | UL CA               |            |        | Yes              | Intra-band<br>contiguous                                                             | -                                                                                                                   | -            | -            |
|          | DL 4x4 MIMO         |            |        | Yes              | Yes                                                                                  | -                                                                                                                   | -            | -            |
|          | DL 256-QAM          |            |        | Yes              | Yes                                                                                  | -                                                                                                                   | -            | -            |
|          | UL 64-QAM           |            |        | Yes              | Yes                                                                                  | -                                                                                                                   | -            | -            |
|          | MIMO (UL/DL)        |            |        | 1x4              | 1x4                                                                                  | 1x2                                                                                                                 | 1x2          | 1x2          |
| 3G       | 1                   | 2100       | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 2                   | 900        | FDD    | -                | -                                                                                    | Yes                                                                                                                 | -            | Yes          |
|          | 3                   | 1800       | FDD    | Yes              | Yes                                                                                  | -                                                                                                                   | Yes          | Yes          |
|          | 5                   | 2100       | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | -            | Yes          |
|          | 8                   | 900        | FDD    | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
| WiFi AP  | 802.11n 2x2         |            |        | Yes              | Yes                                                                                  | Yes                                                                                                                 | Yes          | Yes          |
|          | 802.11ac 2x2        |            |        | Yes              | -                                                                                    | Yes                                                                                                                 | -            | -            |
|          | 802.11ac 4x4        |            |        | -                | Yes                                                                                  | -                                                                                                                   | -            | -            |
|          | 802.11ax 2x2        |            |        | Yes              | -                                                                                    | -                                                                                                                   | -            | -            |
|          | Number of users     |            |        | Up to 64         | Up to 32                                                                             | Up to 32                                                                                                            | Up to 32     | Up to 32     |
| Ethernet | FE LAN              |            |        | -                | -                                                                                    | -                                                                                                                   | x4           | x2           |
|          | GbE LAN             |            |        | x2               | x2                                                                                   | x4                                                                                                                  | -            | -            |
|          | GbE WAN             |            |        | x1 (reuse LAN 1) | x1 (reuse LAN 1)                                                                     | x1 (reuse LAN 1)                                                                                                    | -            | -            |
| SIM slot | Micro/Nano SIM slot |            |        | Micro SIM        | Micro SIM                                                                            | Micro SIM                                                                                                           | Micro SIM    | Micro SIM    |
| Power    | DC input            |            |        | DC 12 V          | DC 12 V                                                                              | DC 12 V                                                                                                             | DC 12 V      | DC 12 V      |

## Mobile Hotspot

| Model    |                     |            |        | 5G NR                 | Cat. 6                                | Cat. 4   |
|----------|---------------------|------------|--------|-----------------------|---------------------------------------|----------|
|          |                     |            |        | NR2101                | LTE2566-M634                          | WAH7601  |
|          | Band                | Freq (MHz) | Duplex |                       |                                       |          |
| 5G NR    | 1                   | 2100       | FDD    | Yes                   | -                                     | -        |
|          | 3                   | 1800       | FDD    | Yes                   | -                                     | -        |
|          | 7                   | 2600       | FDD    | Yes                   | -                                     | -        |
|          | 8                   | 900        | FDD    | Yes                   | -                                     | -        |
|          | 20                  | 800        | FDD    | Yes                   | -                                     | -        |
|          | 28                  | 700        | FDD    | Yes                   | -                                     | -        |
|          | 41                  | 2600       | TDD    | Yes                   | -                                     | -        |
|          | 77                  | 3700       | TDD    | Yes                   | -                                     | -        |
|          | 78                  | 3500       | TDD    | Yes                   | -                                     | -        |
|          | 79                  | 4500       | TDD    | Yes                   | -                                     | -        |
| LTE      | 1                   | 2100       | FDD    | Yes                   | Yes                                   | Yes      |
|          | 3                   | 1800       | FDD    | Yes                   | Yes                                   | Yes      |
|          | 5                   | 850        | FDD    | Yes                   | -                                     | -        |
|          | 7                   | 2600       | FDD    | Yes                   | Yes                                   | Yes      |
|          | 8                   | 900        | FDD    | Yes                   | Yes                                   | Yes      |
|          | 20                  | 800        | FDD    | Yes                   | Yes                                   | Yes      |
|          | 28                  | 700        | FDD    | Yes                   | Yes (28A)                             | Yes      |
|          | 38                  | 2600       | TDD    | Yes                   | Yes                                   | Yes      |
|          | 40                  | 2300       | TDD    | Yes                   | Yes                                   | Yes      |
|          | 41                  | 2500       | TDD    | Yes                   | -                                     | -        |
|          | 42                  | 3500       | TDD    | Yes                   | -                                     | -        |
|          | 43                  | 3700       | TDD    | Yes                   | -                                     | -        |
|          | 48                  | 3600       | TDD    | Yes                   | -                                     | -        |
|          | DL CA               |            |        | Yes                   | DL 2xCA:<br>intra-band and inter-band | -        |
|          | UL CA               |            |        | Yes                   | -                                     | -        |
|          | DL 4x4 MIMO         |            |        | B1/3/7/38/40/41/42/43 | -                                     | -        |
|          | DL 256-QAM          |            |        | Yes                   | -                                     | -        |
|          | UL 64-QAM           |            |        | Yes                   | -                                     | -        |
|          | MIMO (UL/DL)        |            |        | 1x4                   | -                                     | -        |
| 3G       | 1                   | 2100       | FDD    | Yes                   | Yes                                   | Yes      |
|          | 2                   | 900        | FDD    | Yes                   | -                                     | -        |
|          | 3                   | 1800       | FDD    | Yes                   | Yes                                   | -        |
|          | 5                   | 2100       | FDD    | Yes                   | -                                     | -        |
|          | 8                   | 900        | FDD    | Yes                   | Yes                                   | Yes      |
| 2G       | 3                   | 1800       | FDD    | -                     | -                                     | Yes      |
|          | 8                   | 900        | FDD    | -                     | -                                     | Yes      |
| WiFi AP  | 802.11n 2x2         |            |        | -                     | Yes                                   | Yes      |
|          | 802.11ac 2x2        |            |        | -                     | Yes                                   | -        |
|          | 802.11ax 2x2        |            |        | Yes                   | -                                     | -        |
|          | Number of users     |            |        | Up to 10              | Up to 10                              | Up to 10 |
| Ethernet | GbE LAN             |            |        | x1                    | -                                     | -        |
|          | GbE WAN             |            |        | -                     | -                                     | -        |
| SIM slot | Micro/Nano SIM slot |            |        | Nano SIM              | -                                     | -        |
| Power    | DC input            |            |        | USB 5 V               | -                                     | -        |
|          | Battery capacity    |            |        | 5300 mAh              | 3000 mAh                              | 2000 mAh |

\* WiFi AP is used for management purpose only



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