

**ZYXEL**  
NETWORKS



# Always-on Connectivity

**Wireless Broadband**  
Product Guide



nebula

# Why wireless broadband

Wireless broadband internet service provides the ability to access the internet wirelessly from any location within the service's coverage area. Wireless broadband access

is easier and faster to deploy, and a lower cost way to deliver high-speed Internet access in areas that lack broadband or wired connections.

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## Free from Landline & Cable Connection

Many places are not available to wired connectivity, such as rural areas, telecom operators have refused to install fixed-line connection due to the prohibitive cost. Wireless broadband internet service utilizes wireless network technology rather than fixed lines. Your internet would not be constrained by landline or cable connection anymore.

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## Enjoy Internet Mobility

As wireless broadband isn't tied to physical cable connection, you can take the broadband connection with you to other places. With some broadband services you can also bring network connection with you while travelling to other countries.

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## Save Time and Money

Wait no more for engineer visit, or landline to be installed and activated. If you move into a new-build or rental house, you can have internet on the same day. Or, you can cancel your landline, which can save you in the region on line rental.

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## Faster Internet Speed

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



# We offer always-on 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 cable installation. Its outdoor-friendly design makes it possible to work in harsh environments.

It is perfect for your factory, store, transportation hub, outdoor venue, and any place without stable wired network.



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## Indoor Router

Not only does it allow you to completely abandon wired connections, but it can also become a backup or primary broadband connection through 5G/4G. Enjoy fast & reliable WiFi connectivity now!

It is the best choice for indoor businesses including offices, auditoriums, manufacturing, and any place that requires continuous network connection.



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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 remote workers, travelers that need internet and the ability to share its connection. Helps you get the best connection for your lifestyle at anytime and anywhere.

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

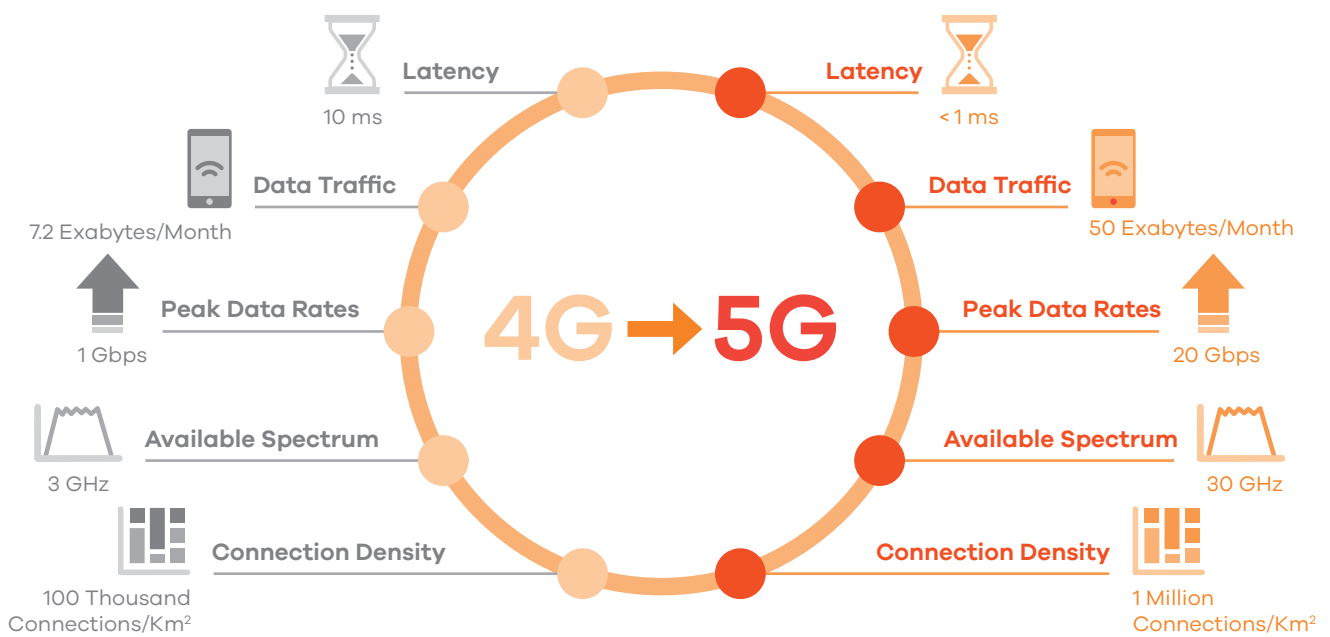


# 5G NR

## Empower the future

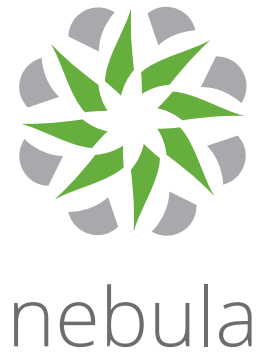
5G mobile data speeds can outperform some of the fastest broadband networks currently available to consumers. With 5G, high amounts of data can be transmitted more efficiently than 4G. Get stronger network reliability, faster downloads, lower latency,

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!





# Centrally managed with cloud

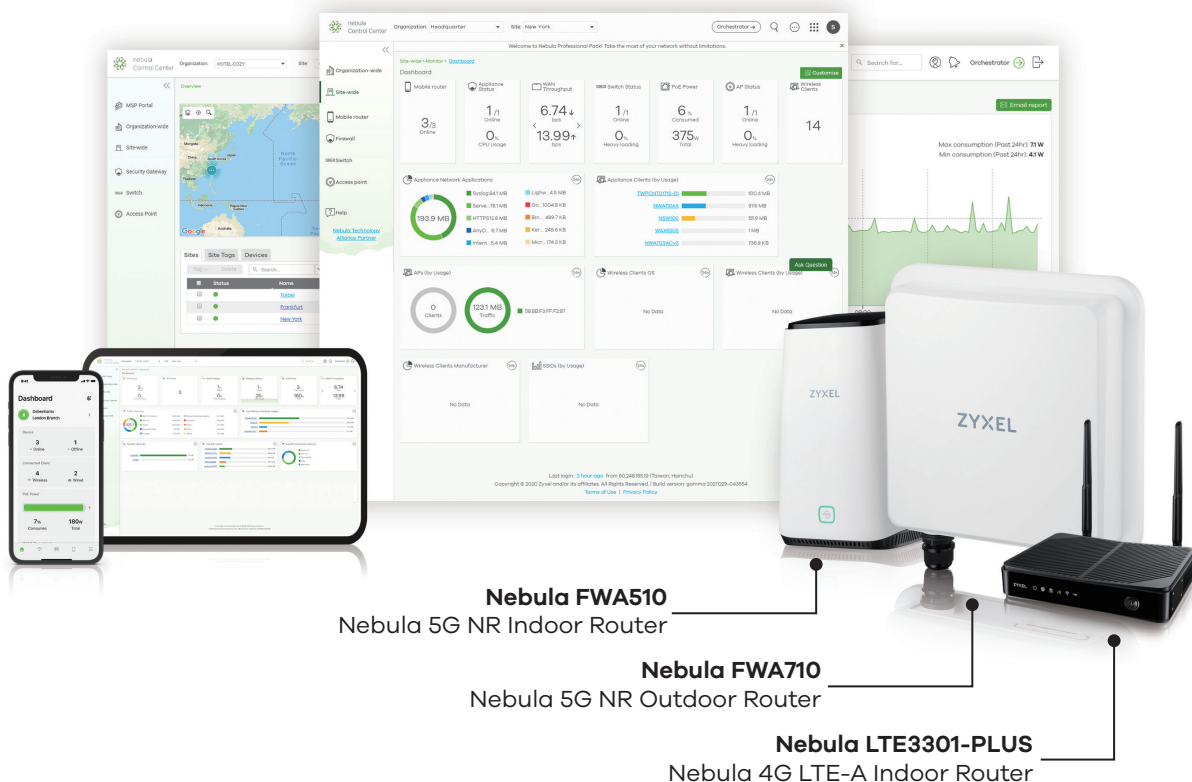


Zyxel Nebula 5G/4G routers support NebulaFlex, which gives the flexibility to manage the devices in either standalone or with Zyxel license-free centralized management platform, Nebula.

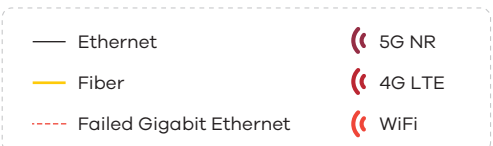
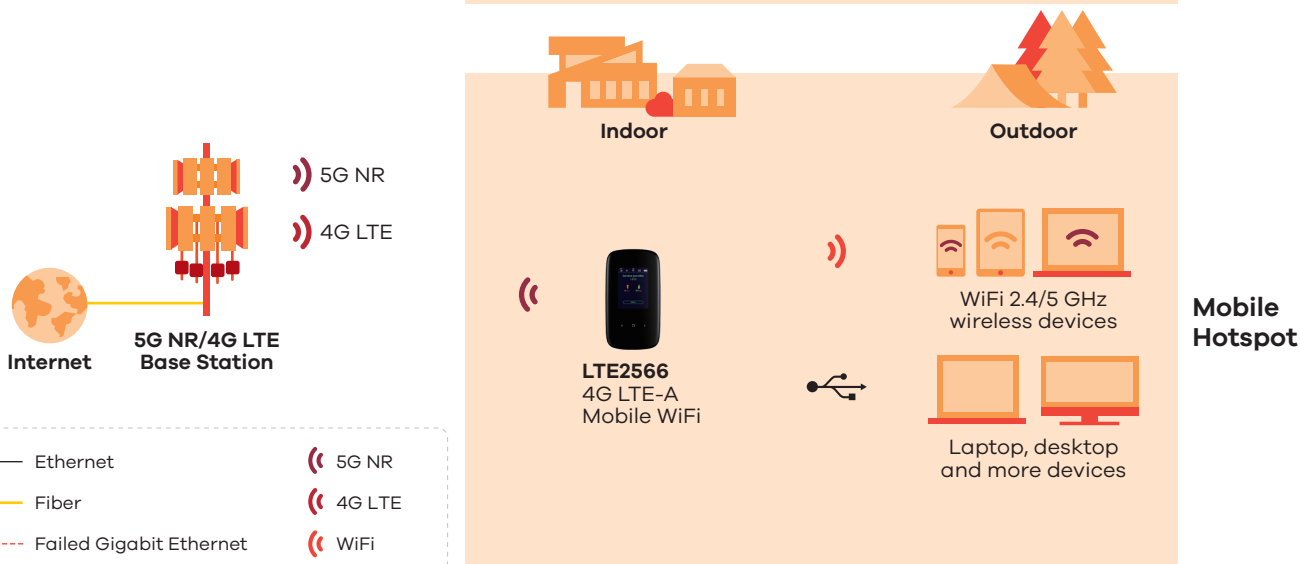
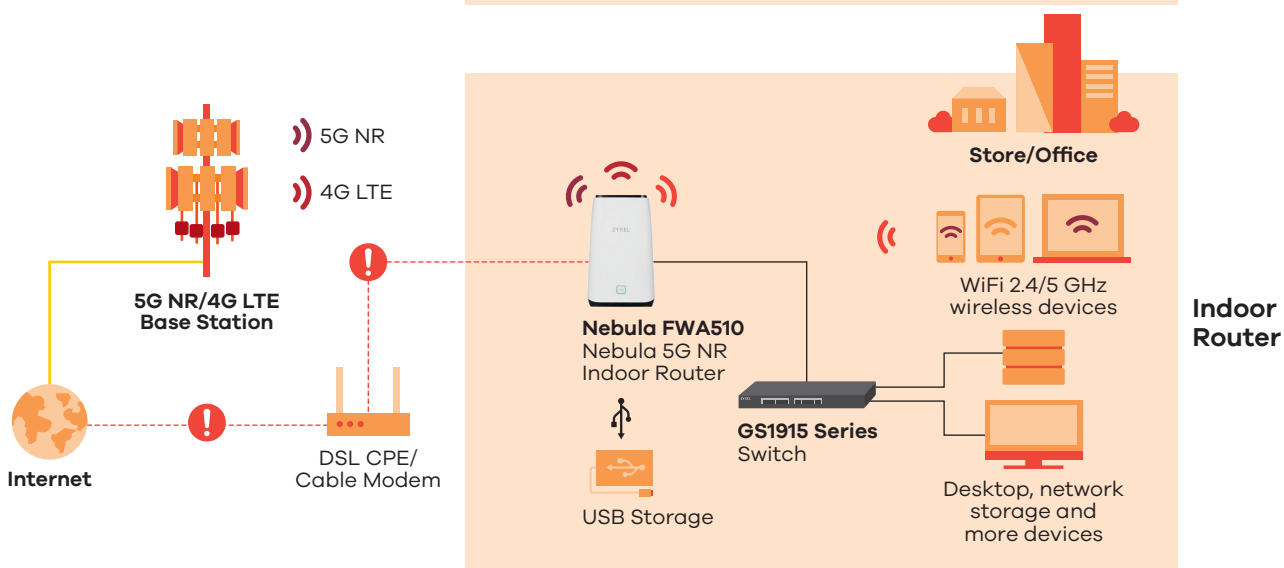
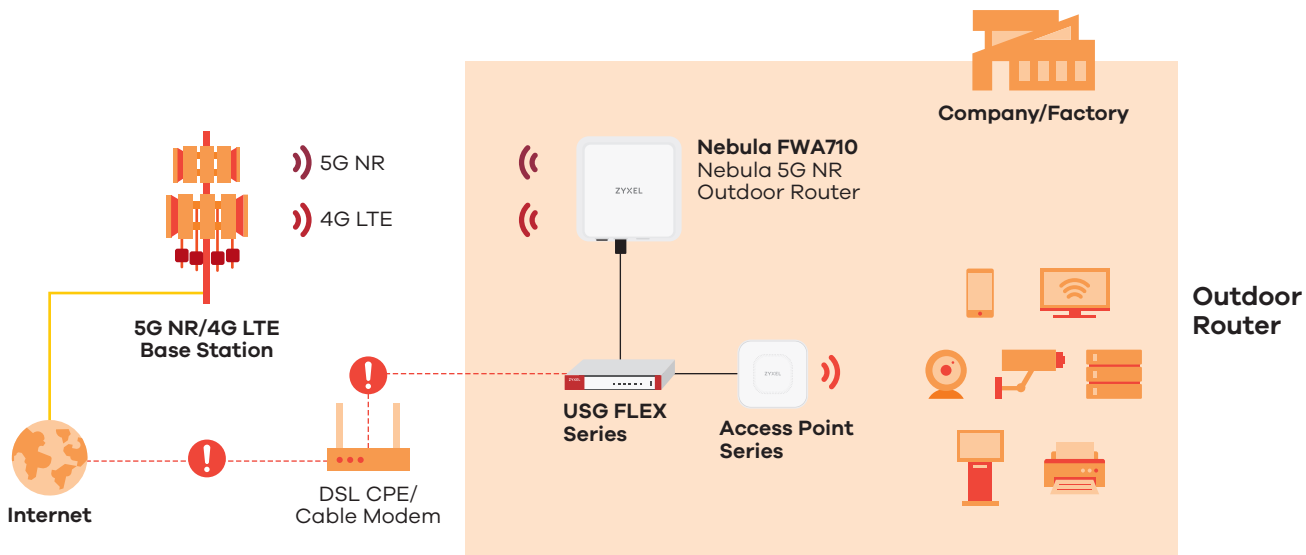
## Effortlessly Manage All Devices Anytime Anywhere at Any Scale

Network Address Translation (NAT) is common in operator's infrastructure. Managing mobile routers behind Carrier Grade NAT (CGNAT) can be challenging! Nebula is the 1st SMB Cloud Solution for Mobile Router Management.

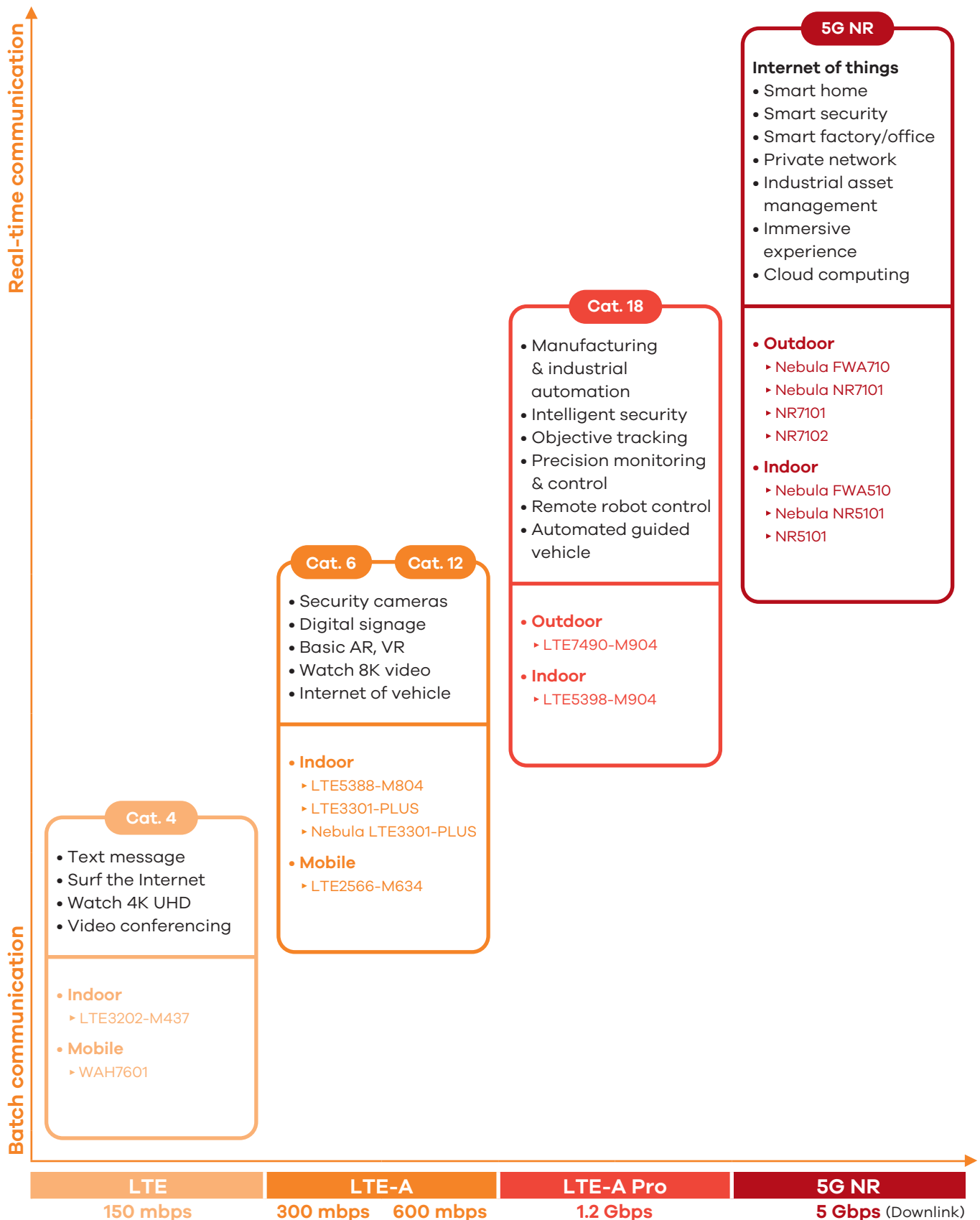
Nebula Cloud platform provides real-time network management anytime anywhere with ease. Centrally provisioning and seamlessly manage all networking devices, including access points, switches and firewalls within your organization that are distributed across locations from the Nebula platform, while keeping your network aware of constantly changing devices.


















# 5G/4G network



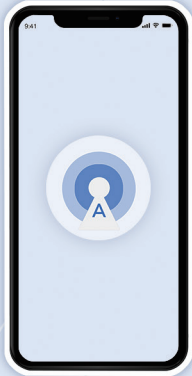
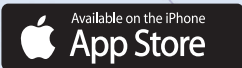
# Pick the right 5G/4G technology










# Product families

		5G		4G			
				Cat. 18	Cat. 12	Cat. 6	Cat. 4
Wireless Router	Outdoor						
		<b>Nebula FWA710</b> Nebula 5G NR Outdoor Router	<b>NR7102</b> 5G NR Outdoor Router	<b>LTE7490-M904</b> 4G LTE-A Pro Outdoor Router			
	Indoor						
		<b>Nebula NR7101</b> Nebula 5G NR Outdoor Router	<b>NR7101</b> 5G NR Outdoor Router				
							
		<b>Nebula FWA510</b> Nebula 5G NR Pro Indoor Router	<b>LTE5398-M904</b> 4G LTE-A Pro Indoor IAD	<b>LTE5388-M804</b> 4G LTE-A Indoor Router	<b>Nebula LTE3301-PLUS</b> Nebula 4G LTE-A Indoor Router	<b>LTE3202-M437</b> 4G LTE Indoor Router	
Mobile Hotspot	Mobile						
		<b>Nebula NR5101</b> Nebula 5G NR Indoor Router	<b>NR5101</b> 5G NR Indoor Router				
							
							
				<b>LTE2566-M634</b> 4G LTE-A Mobile WiFi Router	<b>WAH7601</b> 4G LTE Mobile WiFi Router		

Use our free “Zykel Air” mobile app, a simple and intuitive app that allows you to set up and find the best installation location for your device with just a few taps.














Category	Model		Key Features
5G NR Outdoor Routers	<b>Nebula FWA710</b> Nebula 5G NR Outdoor Router		<ul style="list-style-type: none"> <li>• Nebula cloud management or standalone</li> <li>• Premium 5G FWA broadband, downlink speed up to 5 Gbps*</li> <li>• 6 built-in high-gain directional antennas of up to 9 dBi per element</li> <li>• 2.5GbE interface compliant with standard 802.3af/at PoE</li> <li>• IP68 ingress protection</li> </ul>
	<b>NR7101</b> 5G NR Outdoor Router		<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 high-gain directional antennas of up to 10 dBi per element</li> <li>• Free app for finding the best installation signal spot</li> <li>• Remote management via HTTP/web GUI</li> </ul>
	<b>Nebula NR7101</b> Nebula 5G NR Outdoor Router		<ul style="list-style-type: none"> <li>• Supports Nebula cloud management</li> <li>• 5G NR (Sub 6 GHz)/downlink 5 Gbps*</li> <li>• IP68 ingress protection</li> <li>• 6 built-in high-gain directional antennas of up to 10 dBi per element</li> <li>• Free app for finding the best installation signal spot</li> </ul>
	<b>NR7102</b> 5G NR Outdoor Router		<ul style="list-style-type: none"> <li>• 5G NR (Sub 6 GHz)/downlink 5 Gbps*</li> <li>• 4 built-in high-gain directional antennas of up to 9 dBi per element</li> <li>• 2.5GbE interface compliant with standard 802.3af/at PoE</li> <li>• Free app for finding the best installation signal spot</li> <li>• IP68 ingress protection</li> </ul>
5G NR Indoor Routers	<b>Nebula FWA510</b> Nebula 5G NR Indoor Router		<ul style="list-style-type: none"> <li>• Nebula cloud management or standalone</li> <li>• 5G NR (Sub 6 GHz)/downlink 5 Gbps*</li> <li>• High-speed AX3600 WiFi 6 experience up to 3.6 Gbps*</li> <li>• 2.4/5 GHz dual concurrent WiFi sharing with up to 64 devices</li> <li>• Dual WAN failover capability</li> </ul>
	<b>NR5101</b> 5G NR Indoor Router		<ul style="list-style-type: none"> <li>• 5G NR (Sub 6 GHz)/downlink 5 Gbps*</li> <li>• High-speed AX1800 WiFi 6 experience up to 1.2 Gbps*</li> <li>• 2.4/5 GHz dual concurrent WiFi sharing with up to 64 devices</li> <li>• Dual WAN failover capability</li> <li>• Supports bridge or router mode</li> </ul>
	<b>Nebula NR5101</b> Nebula 5G NR Indoor Router		<ul style="list-style-type: none"> <li>• Supports Nebula cloud management</li> <li>• High-speed AX1800 WiFi 6 experience up to 1.2 Gbps*</li> <li>• 2.4/5 GHz dual concurrent WiFi sharing with up to 64 devices</li> <li>• Dual WAN failover capability</li> <li>• Supports bridge or router mode</li> </ul>

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



# Key Features

Category	Model		Key Features
<b>4G LTE Outdoor Routers</b>	<b>LTE7490-M904</b> 4G LTE-A Pro Outdoor Router		<ul style="list-style-type: none"> <li>• LTE-A 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 per element</li> <li>• Free app for finding the best installation signal spot</li> <li>• Remote management via HTTP/web GUI</li> </ul>
<b>4G LTE Indoor Routers</b>	<b>LTE5398-M904</b> 4G LTE-A Pro Indoor IAD		<ul style="list-style-type: none"> <li>• LTE-A Cat. 18/downlink 1200 Mbps*</li> <li>• AC2050 dual-band WiFi AP</li> <li>• 2.4/5 GHz dual concurrent WiFi sharing with up to 32 devices</li> <li>• Dual WAN failover capability</li> <li>• Supports VoIP/Phone</li> </ul>
	<b>LTE5388-M804</b> 4G LTE-A Indoor Router		<ul style="list-style-type: none"> <li>• LTE-A Cat. 12/downlink 600 Mbps*</li> <li>• AC2050 WiFi experience up to 1733 Mbps*</li> <li>• 2.4/5 GHz dual concurrent WiFi sharing with up to 64 devices</li> <li>• Dual WAN failover capability</li> <li>• Supports VoIP/Phone</li> </ul>
	<b>LTE3301-PLUS</b> 4G LTE-A Indoor Router		<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>• 4 x GbE LAN ports (1 x WAN/3 x LAN)</li> <li>• Dual WAN failover capability</li> <li>• Easy WiFi connection with WPS function</li> </ul>
	<b>Nebula LTE3301-PLUS</b> Nebula 4G LTE-A Indoor Router	 	<ul style="list-style-type: none"> <li>• Nebula cloud management</li> <li>• LTE-A 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>• Dual WAN failover capability</li> </ul>
	<b>LTE3202-M437</b> 4G LTE Indoor Router		<ul style="list-style-type: none"> <li>• LTE Cat. 4/downlink 150 Mbps*</li> <li>• N300 WiFi experience up to 300 Mbps*</li> <li>• 2.4 GHz WiFi sharing with up to 32 devices</li> <li>• Seamless switching between 4G LTE and 3G</li> <li>• Supports bridge or router mode</li> </ul>
<b>4G LTE Mobile Hotspots</b>	<b>LTE2566-M634</b> 4G LTE-A Mobile WiFi Router		<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</li> <li>• Modern and compact look</li> </ul>
	<b>WAH7601</b> 4G LTE Mobile WiFi Router		<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

## 5G Outdoor Router

Model		5G NR			
		Nebula FWA710	Nebula NR7101	NR7101	NR7102
<b>Product name</b>		Nebula 5G NR Outdoor Router	Nebula 5G NR Outdoor Router	5G NR Outdoor Router	5G NR Outdoor Router
<b>Download data rates</b>		4.67 Gbps*	5 Gbps*	5 Gbps*	5 Gbps*
<b>NebulaFlex</b>		Yes, or Standalone	Yes	No	No
5G	<b>Band</b>	<b>Freq (MHz)</b>	<b>Duplex</b>		
	1	2100	FDD	Yes	Yes
	3	1800	FDD	Yes	Yes
	5	850	FDD	Yes	Yes
	7	2600	FDD	Yes	Yes
	8	900	FDD	Yes	Yes
	20	800	FDD	Yes	Yes
	28	700	FDD	Yes	Yes
	38	2600	TDD	Yes	Yes
	40	2300	TDD	Yes	Yes
	41	2500	TDD	Yes	Yes
	77	3700	TDD	Yes	Yes
	78	3500	TDD	Yes	Yes
	<b>DL 4x4 MIMO</b>		Yes (n5/8/20/28 supports 2x2 only)	Yes (n5/8/20/28 supports 2x2 only)	Yes (n5/8/20/28 supports 2x2 only)
LTE	1	2100	FDD	Yes	Yes
	2	1900	FDD	-	-
	3	1800	FDD	Yes	Yes
	4	1700	FDD	-	-
	5	850	FDD	Yes	Yes
	7	2600	FDD	Yes	Yes
	8	900	FDD	Yes	Yes
	12	700a	FDD	-	-
	13	700c	FDD	-	-
	20	800	FDD	Yes	Yes
	25	1900+	FDD	-	-
	26	850+	FDD	-	-
	28	700	FDD	Yes	Yes
	29	700d	FDD	-	-
	30	2300	FDD	-	-
	38	2600	TDD	Yes	Yes
	40	2300	TDD	Yes	Yes
	41	2500	TDD	Yes	Yes
	42	3500	TDD	Yes	Yes
	43	3700	TDD	Yes	-
	66	1700	FDD	-	-
	<b>DL CA</b>		Yes	Yes	Yes
<b>UL CA</b>		Yes	Yes	Yes	5G NR: 2x2 UL MIMO 4G LTE: 2xCA
<b>DL 4x4 MIMO</b>		B1/3/7/38/40/41/42	B1/3/7/38/40/41/42	B1/3/7/38/40/41/42	B1/3/7/38/40/41/42/43
<b>DL 256-QAM</b>		Yes	Yes	Yes	Yes
<b>UL 64-QAM</b>		Yes (supports 256QAM)	Yes (supports 256QAM)	Yes (supports 256QAM)	Yes (supports 256QAM)
<b>MIMO (UL/DL)</b>		1x4	1x4	1x4	1x4
3G	1	2100	FDD	Yes	Yes
	3	1800	FDD	-	Yes
	5	2100	FDD	Yes	Yes
	8	900	FDD	Yes	Yes
<b>WiFi AP</b>	802.11n 2x2	Yes**	Yes**	Yes**	Yes**
<b>Ethernet</b>	GbE LAN	x1 (2.5G PoE)	x1 (PoE)	x1 (PoE)	x1 (2.5G PoE)
<b>SIM slot</b>	Micro/Nano SIM slot	Micro SIM	Micro SIM	Micro SIM	Micro SIM
<b>Power</b>	DC input	PoE 48 V	PoE 48 V	PoE 48 V	PoE 48 V
<b>Ingress protection</b>		IP68	IP68	IP68	IP68

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

\*\* WiFi AP is used for management purpose only.

# Frequency Band Comparison

## 4G Outdoor Router

Model		Cat. 18			
		LTE7490-M904			
<b>Product name</b>		4G LTE-A Pro Outdoor Router			
<b>Download data rates</b>		1.2 Gbps*			
<b>NebulaFlex</b>		No			
LTE	<b>Band</b>	<b>Freq (MHz)</b>	<b>Duplex</b>		
	1	2100	FDD	Yes	
	2	1900	FDD	-	
	3	1800	FDD	Yes	
	4	1700	FDD	-	
	5	850	FDD	Yes	
	7	2600	FDD	Yes	
	8	900	FDD	Yes	
	12	700a	FDD	-	
	13	700c	FDD	-	
	20	800	FDD	Yes	
	25	1900+	FDD	-	
	26	850+	FDD	-	
	28	700	FDD	Yes	
	29	700d	FDD	-	
	30	2300	FDD	-	
	38	2600	TDD	Yes	
	40	2300	TDD	Yes	
	41	2500	TDD	Yes	
	42	3500	TDD	-	
	43	3700	TDD	-	
	66	1700	FDD	-	
		<b>DL CA</b>	DL 2xCA: intra-band and inter-band DL 3xCA: intra-band and inter-band DL 4xCA: intra-band and inter-band DL 5xCA: intra-band and inter-band within 4 bands		
		<b>UL CA</b>	UL 2xCA: intra-band contiguous		
		<b>DL 4x4 MIMO</b>	B1/3/7/38		
		<b>DL 256-QAM</b>	Yes		
	<b>UL 64-QAM</b>	Yes			
	<b>MIMO (UL/DL)</b>	1x4			
3G	1	2100	FDD	Yes	
	3	1800	FDD	Yes	
	5	2100	FDD	Yes	
	8	900	FDD	Yes	
<b>WiFi AP</b>	802.11n 2x2	Yes**			
<b>Ethernet</b>	GbE LAN	x1 (PoE)			
<b>SIM slot</b>	Micro/Nano SIM slot	Micro SIM			
<b>Power</b>	DC input	PoE 48 V			
<b>Ingress protection</b>		IP68			

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

\*\* WiFi AP is used for management purpose only.



# Frequency Band Comparison

## 5G Indoor Router

Model	5G NR			
	Nebula FWA510	Nebula NR5101	NR5101	
<b>Product name</b>	Nebula 5G NR Indoor Router	Nebula 5G NR Indoor Router	5G NR Indoor Router	
<b>Download data rates</b>	5 Gbps*	5 Gbps*	5 Gbps*	
<b>NebulaFlex</b>	Yes, or Standalone	Yes	No	
5G	<b>Band</b>	<b>Freq (MHz)</b>	<b>Duplex</b>	
	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 (n5/8/20/28 supports 2x2 only)	Yes (n5/8/20/28 supports 2x2 only)	Yes (n5/8/20/28 supports 2x2 only)
LTE	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
	42	3500	TDD	Yes
	43	3700	TDD	Yes
	DL CA	Yes	Yes	Yes
	UL CA	Yes	Yes	Yes
	DL 4x4 MIMO	B1/3/7/38/40/41/42	B1/3/7/38/40/41/42	B1/3/7/38/40/41/42
	DL 256-QAM	Yes	Yes	Yes
	UL 64-QAM	Yes (supports 256QAM)	Yes (supports 256QAM)	Yes (supports 256QAM)
MIMO (UL/DL)	1x4	1x4	1x4	
3G	1	2100	FDD	Yes
	3	1800	FDD	Yes
	5	2100	FDD	Yes
	8	900	FDD	Yes
WiFi AP	802.11n 2x2			Yes
	802.11ac 2x2			Yes
	802.11ac 4x4			-
	802.11ax 2x2			Yes
	802.11ax 4x4			-
	Number of users	Up to 64	Up to 64	Up to 64
Ethernet	FE LAN	-	-	-
	GbE LAN	x2 (2.5G)	x2	x2
	GbE WAN	x1 (reuse LAN 1)	x1 (reuse LAN 1)	x1 (reuse LAN 1)
<b>SIM slot</b>	<b>Micro/Nano SIM slot</b>	Micro SIM	Micro SIM	Micro SIM
<b>Power</b>	<b>DC input</b>	DC 12 V	DC 12 V	DC 12 V

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

# Frequency Band Comparison

## 4G Indoor Router

Model	Cat. 18			Cat. 12		Cat. 6		Cat. 4		
	LTE5398-M904			LTE5388-M804		Nebula LTE3301-PLUS		LTE3301-PLUS	LTE3202-M437	
<b>Product name</b>	4G LTE-A Pro Indoor IAD			4G LTE-A Indoor Router		Nebula 4G LTE-A Indoor Router		4G LTE-A Indoor Router	4G LTE Indoor Router	
<b>Download data rates</b>	1.2 Gbps*			600 Mbps*		300 Mbps*		300 Mbps*	150 Mbps*	
<b>NebulaFlex</b>	No			No		Yes		No	No	
LTE	<b>Band</b>	<b>Freq (MHz)</b>	<b>Duplex</b>							
	1	2100	FDD	Yes	Yes	Yes	Yes	Yes	Yes	
	3	1800	FDD	Yes	Yes	Yes	Yes	Yes	Yes	
	5	850	FDD	Yes	Yes	Yes	Yes	Yes	-	
	7	2600	FDD	Yes	Yes	Yes	Yes	Yes	Yes	
	8	900	FDD	Yes	Yes	Yes	Yes	Yes	Yes	
	20	800	FDD	Yes	Yes	Yes	Yes	Yes	Yes	
	28	700	FDD	Yes	Yes	Yes	Yes	Yes	Yes (28A)	
	38	2600	TDD	-	-	Yes	Yes	Yes	Yes	
	40	2300	TDD	Yes	Yes	Yes	Yes	Yes	Yes	
	41	2500	TDD	Yes	Yes	Yes	Yes	Yes	Yes	
	42	3500	TDD	Yes	Yes	-	-	-	-	
	43	3700	TDD	-	-	-	-	-	-	
	<b>DL CA</b>	2xCA: intra-band and inter-band 3xCA: intra-band and inter-band 4xCA: intra-band and inter-band 5xCA: intra-band and inter-band within 4 bands			DL 2xCA: intra-band and inter-band DL 3xCA: intra-band and inter-band		B1+B1/B5/B8/B20/B28 B3+B3/B5/B7/B8/B20/B28 B7+B5/B7/B8/B20/B28 B38+B38; B40+B40; B41+B41		B1+B1/B5/B8/B20/B28 B3+B3/B5/B7/B8/B20/B28 B7+B5/B7/B8/B20/B28 B41+B41	-
	<b>UL CA</b>	Intra-band contiguous			Intra-band contiguous		-		-	-
	<b>DL 4x4 MIMO</b>	Yes			Yes		-		-	-
	<b>DL 256-QAM</b>	Yes			Yes		-		-	-
	<b>UL 64-QAM</b>	Yes			Yes		-		-	-
	<b>MIMO (UL/DL)</b>	1x4			1x4		1x2		1x2	1x2
	3G	1	2100	FDD	Yes	Yes	Yes	Yes	Yes	Yes
		3	1800	FDD	Yes	Yes	Yes	Yes	Yes	Yes
		5	2100	FDD	Yes	Yes	Yes	Yes	Yes	Yes
		8	900	FDD	Yes	Yes	Yes	Yes	Yes	Yes
	WiFi AP	<b>802.11n 2x2</b>			Yes	Yes	Yes	Yes	Yes	Yes
		<b>802.11ac 2x2</b>			-	-	Yes	Yes	-	-
		<b>802.11ac 4x4</b>			Yes	Yes	-	-	-	-
<b>802.11ax 2x2</b>			-	-	-	-	-	-		
<b>802.11ax 4x4</b>			-	-	-	-	-	-		
<b>Number of users</b>			Up to 32	Up to 64	Up to 32	Up to 32	Up to 32	Up to 32		
Ethernet	<b>FE LAN</b>			-	-	-	-	-	x4	
	<b>GbE LAN</b>			x2	x2	x4	x4	-	-	
	<b>GbE WAN</b>			x1 (reuse LAN 1)	x1 (reuse LAN 1)	x1 (reuse LAN 1)	x1 (reuse LAN 1)	-	-	
<b>SIM slot</b>	<b>Micro/Nano SIM slot</b>			Micro SIM	Micro SIM	Micro SIM	Micro SIM	Micro SIM	Micro SIM	
<b>Power</b>	<b>DC input</b>			DC 12 V	DC 12 V	DC 12 V	DC 12 V	DC 12 V	DC 12 V	

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

# Frequency Band Comparison

## 4G Mobile Hotspot

Model		Cat. 6			Cat. 4		
		LTE2566-M634			WAH7601		
<b>Product name</b>		4G LTE-A Mobile WiFi Router			4G LTE Mobile WiFi Router		
<b>Download data rates</b>		300 Mbps*			150 Mbps*		
LTE	<b>Band</b>	<b>Freq (MHz)</b>	<b>Duplex</b>				
	1	2100	FDD	Yes		Yes	
	3	1800	FDD	Yes		Yes	
	5	850	FDD	-		-	
	7	2600	FDD	Yes		Yes	
	8	900	FDD	Yes		Yes	
	20	800	FDD	Yes		Yes	
	28	700	FDD	Yes		Yes	
	38	2600	TDD	Yes		Yes	
	40	2300	TDD	Yes		Yes	
	41	2500	TDD	-		-	
	42	3500	TDD	-		-	
	43	3700	TDD	-		-	
	48	3600	TDD	-		-	
	<b>DL CA</b>		DL 2xCA: intra-band and inter-band			-	
	<b>UL CA</b>		-			-	
	<b>DL 4x4 MIMO</b>		-			-	
	<b>DL 256-QAM</b>		-			-	
	<b>UL 64-QAM</b>		-			-	
	<b>MIMO (UL/DL)</b>		-			-	
3G	1	2100	FDD	Yes		Yes	
	3	1800	FDD	Yes		-	
	5	2100	FDD	-		-	
	8	900	FDD	Yes		Yes	
WiFi AP	<b>802.11n 2x2</b>		Yes			Yes	
	<b>802.11ac 2x2</b>		Yes			Yes	
	<b>802.11ax 2x2</b>		-			-	
<b>Number of users</b>		Up to 32			Up to 10		
<b>Ethernet</b>	<b>GbE LAN</b>		-			-	
<b>SIM slot</b>	<b>Micro/Nano SIM slot</b>		Micro SIM			Micro SIM	
<b>Power</b>	<b>DC input</b>		USB 5 V			USB 5 V	
	<b>Battery capacity</b>		3000 mAh**			2000 mAh**	

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

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

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