



Joining Telenor Norway on their massive 5G roll out

In November 2020, Zyxel Communications started helping Telenor Norway oversee the world's fastest, largest rollout of 5G FWA.

Norway's largest provider of telecommunications and digital services, Telenor Norway AS' vast infrastructure is the foundation of the country's ongoing digitization. One of the company's primary goals is to provide world-class coverage and speeds for Norway's 5.3 million inhabitants – including those living in previously unreachable locations.

As the first mobile operator of 5G in Scandinavia, Telenor is modernizing its existing network infrastructure with plans to offer nationwide 5G access by 2024. The company introduced wireless broadband in May 2019. Later that year, it partnered with Ericsson to modernize and deliver a nationwide 5G radio access network. The recent collaboration with Zyxel Communications marks yet an important milestone for Telenor's work in upgrading its customers to 5G.

Telenor Norway highlights Zyxel's innovative technology, effective local presence, and collaborative approach as key reasons for choosing Zyxel's service. The innovation at the center of the 5G rollout is the Zyxel NR7101, a 5G NR FWA outdoor router. The NR7101 is Zyxel's first 5G Sub-6 fixed wireless broadband CPE. SA/NSA dual-mode compliant and

" Zyxel is helping Telenor reach an additional level of service for customers throughout Norway and oversee the world's fastest, largest rollout of 5G FWA. "

Camilla Amundsen
CMO, Fixed and TV,
Telenor Norway.

easy to install, the Zyxel NR7101 provides remote management, enabling high capacity, ultra-fast, yet low latency broadband services deployed across a wide range of geographic environments. The NR 7101 uses modern antenna technology for Telenor to offer high-speed wireless connectivity.

“Telenor is deeply committed to providing our customers with faster speeds and more bandwidth,” says Amundsen. “Both private customers and businesses are connecting even more innovative technologies and smart devices to their respective networks – while still expecting maximum coverage everywhere. FWA supports the increasing number of individuals and families working and learning from home, where platforms such as video conferences, interactive learning, cloud-based enterprise solutions, TV streaming, and online gaming demand significant broadband access. FWA is, therefore, an important part of Telenor’s network modernization and our partnership with Zyxel makes this possible”.

“Telenor is an industry pioneer in 5G and is at the forefront of deploying modern, next-generation networks for customers,” said Karsten Gewecke, SVP, Head of EMEA Regional BU at Zyxel Communications. “With our state-of-the-art 5G NR FWA technology, we’re playing a major role in delivering superior wireless access to customers everywhere throughout Norway”.

“Combined with short delivery time, high speeds and increased reliability, FWA is an attractive solution for many customers – not only existing DSL customers”, Karsten Gewecke concludes.

Telenor currently offers 5G in the following areas: Trondheim, Bergen, Kongsberg, Elverum, Bodø, Askvoll, Telenor Fornebu, Kvitfjell, Longyearbyen, Herøya, Frøya, and Spikersuppa in Oslo. The service provider also is actively deploying 5G in Ålesund, Kristiansand, Fredrikstad, Tromsø, and Bodø. In addition, Telenor plans to make 5G available nationwide in Norway by 2024. Likewise, after December 2020, all new FWA-customers are offered Zyxel’s 5G-ready FWA outdoor router, which ensures a smooth transition for subscribers not yet covered by 5G.

Telenor’s challenges

By 2024 all of Norway’s 5,3 million inhabitants will have access to ultra-fast connections – including those living in previously unreachable locations.

Zyxel solutions

- Zyxel NR7101 5G NR Outdoor Router

Core benefits

- Supports Telenor Norway’s deployment plan with innovative technology, effective local presence, and collaborative approach.
- Increases deployment flexibility and speeds with SA/NSA dual-mode compliance and easy installation.
- Offers high-speed wireless connectivity with modern antenna technologies.

Featured products



NR7101

5G New Radio Outdoor Router

- 5G DL 5.0 Gbps; UL 650 Mbps
- DL 4x4 MIMO, 6 built-in high-gain 4G/5G antennas of up to 10 dBi per element
- Standard 802.3af/at Gigabit PoE LAN port
- Remote management through TR-069
- Bridge and router modes, IPv4/IPv6 dual-stack
- Environmentally-hardened IP68-certified enclosure with industrial-grade components
- Zyxel mobile app for iOS & Android
- Remote firmware upgrade

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

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