

ZyXEL-5G-Router-NR7101 Datasheet

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Overview

The Zyxel NR7101 5G NR Outdoor Router supports the latest 5G NR technology while remaining fully compatible with 4G / 3G networks.

Quick Spec

Table 1 shows the quick spec.

Product Code	ZyXEL 5G Router NR7101
5G NR interface	<ul style="list-style-type: none">* Compatible with 3GPP Release 15 standard* Supports both NSA and SA modes* Supports frequencies: n1 / n3 / n5 / n7 / n8 / n20 / n28 / n41 / n77 / n78 / n38 / n40* DL 4 x 4 MIMO: n1 / n3 / n7 / n38 / n40 / n41 / n77 / n78
4G LTE interface	<ul style="list-style-type: none">* 3GPP UE Category 20 standard compliant* Supports frequencies:* LTE-FDD: B1 / B3 / B5 / B7 / B8 / B18 / B19 / B20 / B26 / B28 / B32* LTE-TDD: B34 / B38 / B39 / B40 / B41 / B42
5G / 4G antennas	<ul style="list-style-type: none">* 6 built-in directional antennas* Ultra-high band: Peak gain up to 10 dBi* High band and mid band: Peak gain up to 8 dBi* Low band: Maximum 5 dBi peak gain

Product Details

ZyXEL 5G Router NR7101 provides these key features:

LIGHTNING FAST INTERNET CONNECTION

The Zyxel NR7101 has DL speeds over 5 Gbps and 4G LTE DL speeds up to 2 Gbps. The router can be used as a primary network connection, but can also function as a backup for the current network. For an extra reliable connection, the device has a dual SIM card slot. In addition, the Zyxel NR7101 can also be used in bridge mode, so that the router can easily be combined with access points and gateways, for example.

DURABLE DESIGN

In addition, the NR7101 has industrial qualities and with its outdoor-friendly design it is weather resistant against: IP68: water, dust, dirt and sand resistant. But also against wind at hurricane level: (level 16, 200 km / h) and the K.21 improved lightning protection.

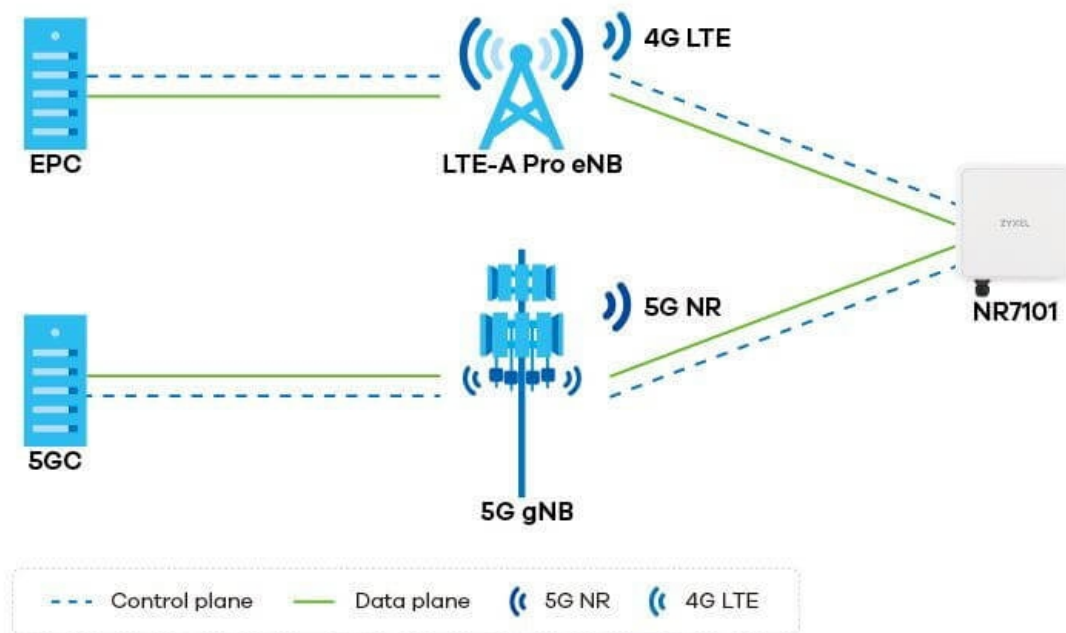
IMPLEMENTATION WITH FIXED WIRELESS ACCESS (FWA)

By implementing NR7101 as part of FWA, 5G service coverage can be extended to subscribers' homes and workplaces without additional cable infrastructure. The Zyxel router contains 6 built-in 10 dBi long range antennas for an extremely high wireless coverage. The powerful antennas ensure an improved signal quality so that there is always a stable mobile internet connection.

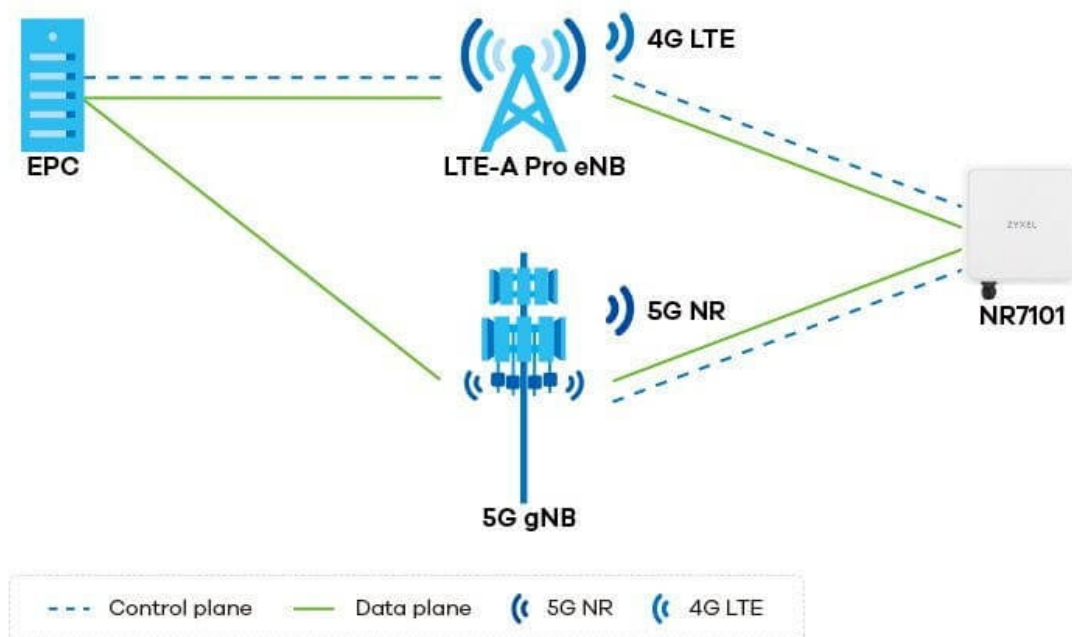
EASY INSTALLATION AND COMPATIBLE WITH SA / NSA DUAL MODE

The Zyxel NR7101 is equipped with a flexible wall or pole mount kit, integrated IEEE 802.3at Power over Ethernet (PoE) support and a dedicated WiFi AP with graphics for mobile apps for eNB / gNB alignment. NR7101 is also interoperable with both Standalone (SA) and Non-Standalone (NSA) deployments.

Zyxel 5G New Radio Outdoor Router SA architecture



Zyxel 5G New Radio Outdoor Router NSA architecture



REMOTE MANAGEMENT AND UPGRADE

Through LTE radio interface, NR7101 supports TR-069, external GUI and FTP to be fully configurable. Firmware Over-The-Air (FOTA) support enables remote firmware upgrades and troubleshooting through events triggered by the operators. This means that there is no need to be physically present on site and this router can be installed and maintained completely remotely. The Zyxel NR7101 is powered via Power over Ethernet (PoE 802.3af / at) and comes with a pole and wall bracket.

Get more information

Do you have any question about the ZyXEL 5G Router NR7101?

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Specification

ZyXEL 5G Router NR7101 Specification

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4G LTE interface	<ul style="list-style-type: none">* 3GPP UE Category 20 standard compliant* Supports frequencies:* LTE-FDD: B1 / B3 / B5 / B7 / B8 / B18 / B19 / B20 / B26 / B28 / B32* LTE-TDD: B34 / B38 / B39 / B40 / B41 / B42
5G / 4G antennas	<ul style="list-style-type: none">* 6 built-in directional antennas* Ultra-high band: Peak gain up to 10 dBi* High band and mid band: Peak gain up to 8 dBi* Low band: Maximum 5 dBi peak gain
Other specs	<ul style="list-style-type: none">* Dimensions: 255 x 256 x 58 mm* Weight: 1143 g* Operating environment: -40 ° C to 60 ° C* Humidity: 5% to 95% (non-condensing)* IP-68 classification
What's in the Box	<ul style="list-style-type: none">* Standard 802.3af / at Power over Ethernet (PoE) injector* 1.8 m Ethernet cable 8P8C* Quick start guide* Warranty card* DoC and security warning* Wall / pole mount kit

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