



NR2111

5G NR Portable Router

The Zyxel NR2111 is a cutting-edge 5G NR Portable Router that complies with the 3GPP Release 15 standard, ensuring seamless compatibility with 4G networks. Offering high-speed broadband service through Wi-Fi 6, it provides enhanced network security and supports up to 32 connected devices. With its compact design, your subscribers can stay connected on the go, enjoying unparalleled connectivity and convenience.

Benefits

Lightning-fast 5G connectivity everywhere you go

The NR2111 has 5G NR DL speeds of up to 2.6 Gbps and 4G LTE DL speeds of up to 600 Mbps*, increasing internet speed and reducing network latency. Wide spectrum bandwidth accelerates internet speeds and reduces network latency for premium and time-sensitive connectivity services.

Wi-Fi 6 technology for LAN client connectivity

The NR2111 supports the Wi-Fi 6 (802.11ax) standard, delivering speeds up to 600 Mbps with 1x1 UL/DL MIMO. It allows simultaneous connections for up to 32 clients, ensuring reliable and efficient internet access.



3GPP Rel. 15 5G NR, up to 2.6 Gbps/1 Gbps* (DL/UL) with the support of NSA & SA mode



Wi-Fi 6 (11ax) AX300 1x1 2.4 GHz or AX600 1x1 5 GHz



Remote firmware upgrade



One USB 3.0 type C port



2.4" LCD Display



4000 mAh Li-ion Removable battery

Intuitive LCD display design

Comes with an intuitive 2.4-inch TFT LCD color display, the NR2111 makes device management effortless with a few taps. Check data usage, battery life, signal strength, download/upload speeds, and more at a glance.

Additionally, stay connected on your desktop or laptop through the integrated USB port for seamless online access.

Remote firmware upgrade

Firmware Over-The-Air (FOTA) support enables remote firmware upgrades and troubleshooting through events triggered by the operators.

Specifications

System specifications

System feature

- Web UI/Multiple languages supported
- SMS/Quota/APN/PIN management
- Network selection
- Data Usage/Statistic
- DHCP Server
- NAT
- IP Firewall
- Proxy DNS
- Firewall – DMZ/MAC filter/IP filter/Port filter
- VPN pass-through
- FOTA firmware upgrade

WLAN feature

- Dual Band selectable
- Auto Channel Select (ACS)
- Wireless Protected Setup (WPS)
- Wi-Fi-enabled devices: 32
- AP Power Save

Hardware specifications

5G NR interface

- 3GPP Release 15 standard-compliant
- Supports both NSA and SA modes
 - FDD: n1/n3/n5/n7/n8/n20/n28/n66/n77/n78
 - TDD: n38/n40/n41/n77/n78
- Supports DL 4x4 MIMO: n1/n3/n7/n38/n40/n41/n66/n77/n78
- Peak data rates:
 - 5G NSA: DL 2.6 Gbps/UL 650 Mbps*
 - 5G SA: DL 2 Gbps/UL 1 Gbps*

4G LTE interface

- 3GPP UE Category 12 standard-compliant
- Supports frequencies:
 - LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28
 - LTE-TDD: B38/B40/B41/B66
- Supports DL 2x2 MIMO: B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B40/B41/B66
- Peak data rates:
 - Max. DL 600 Mbps/UL 150 Mbps*

Wireless LAN Standards

- 802.11 b/g/n/ax 2.4 GHz, data rate up to 286 Mbps*
- 802.11 a/n/ac/ax 5 GHz, data rate up to 600 Mbps*

Hardware interface

- One Power on/off button
- 2.4" LED display
- One type-c USB 3.0/2.0 quick charging
- One reset button
- One Nano-SIM card slot
- One menu-confirm button
- One menu-select button

Power consumption

- 15 W (5 V/3 A) quick charging

Physical specifications

- Item dimensions (LxWxH): 129 x 70 x 18.2 mm (5.08" x 2.76" x 0.72")
- Item weight: 180 g (0.40 lb.)
- Packing dimensions (LxWxH): 164.5 x 96 x 46 mm (6.48" x 3.78" x 1.81")
- Packing weight: 285 g (0.63 lb.)

Environmental specifications

Operating environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 5% to 95% (non-condensing)

Storage environment

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

Certification

- CE/Safety
- WEEE
- 2011/65/EC (RoHS) Restriction of Hazardous Substances Directive
- HSF (Hazardous Substance Free)
- European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

Package contents

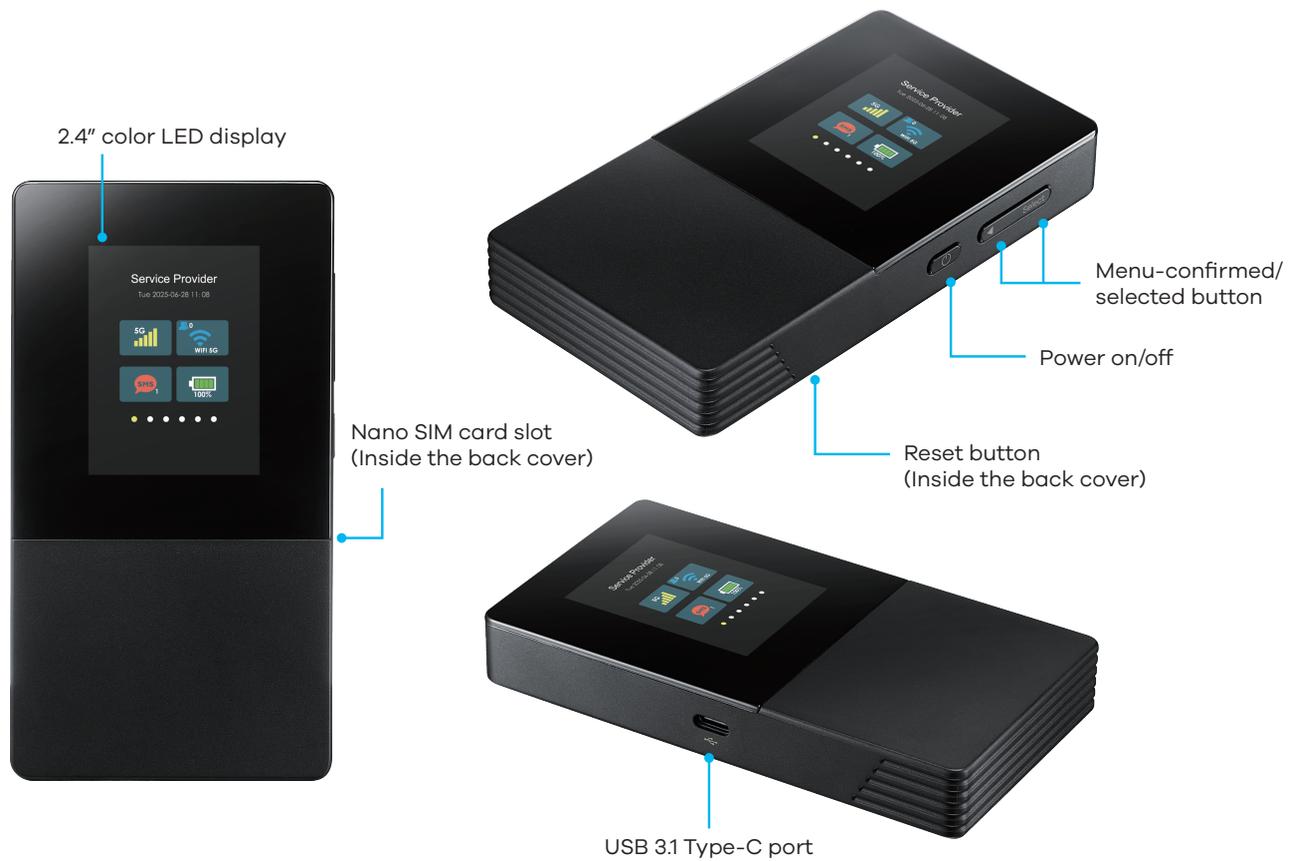
- Type-A to Type-C USB cable
- Quick Start Guide
- Safety warning/DoC
- Battery

* The maximum data rate is a theoretical value. The actual data rates depend on the network environment.

Application diagram



Hardware description





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

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Datasheet [NR2111](#)