

NIGHTHAWK®

Nighthawk® M5 Mobile Router



Next-generation 5G Mobile Router

The NETGEAR® Nighthawk® M5 Mobile Router upgrades your mobile broadband experience to unparalleled heights with WiFi 6 and incredible new speeds with 5G. Keep your entire family connected to 5G over WiFi for up to 32 devices. Perfect for mobile

business staff on the go, from commuters to first responders and service technicians – access secure WiFi wherever your work takes you. With the option to connect the 5G Mobile Router to your existing home router, you can bring 5G speeds into your

home network and all your WiFi devices. The simple and intuitive app, parental control options, and long-lasting battery of the NETGEAR® Nighthawk® M5 Mobile Router meets your mobile lifestyle at its fullest potential.

Nighthawk® M5 Mobile Router

Why 5G?

Get on the cutting edge of something truly great. The next level of Internet speed is here to usher in a new era of limitless technology possibilities. Experience lightning fast reaction times for VR gaming, smart & connected devices, and immersive learning tools all while downloading, streaming, and browsing with speeds as fast as the blink of an eye. 5G is the revolutionary next step in the future of technology.

10X Capacity

Get connected in dense areas, even with tall buildings and many connected devices competing for connection.

Extremely low latency

Shorten the time delay between sending and receiving information with 5G. Now 1ms, 5G delivers extremely low latency rates down from 200ms for 4G.



WiFi 6 - Ready for Today and Tomorrow's Smart Home

Introducing WiFi 6—the latest generation of WiFi that delivers four times better performance than AC WiFi.

With innovative technologies, such as Orthogonal Frequency-Division Multiple-Access (OFDMA)[§], 4x4 Multi-User MIMO, and intelligent scheduling, WiFi 6 delivers a huge boost in speed and total capacity. Rising to the challenges of modern smart home demands, this new standard of WiFi is ready to support more devices with better reliability and faster speeds.

Capacity

WiFi 6 gives you improved network capacity for more WiFi devices. Have more fun with the uninterrupted 4K/8K streaming, gaming, and the smart home experience.

Speed

Get ultra-fast wireless speeds with more connections for all devices with less congestion. You'll get some blazing connection speeds of more than one Gigabit per second or more, 4K/8K streaming, & VR/AR gaming.

Range

Experience reliable and stronger WiFi coverage indoors and outdoors for all your devices. High-performance antennas, pre-optimized for best performance, on the router amplify WiFi signals for maximized range and reliable coverage.

At Home / Office / Hotel

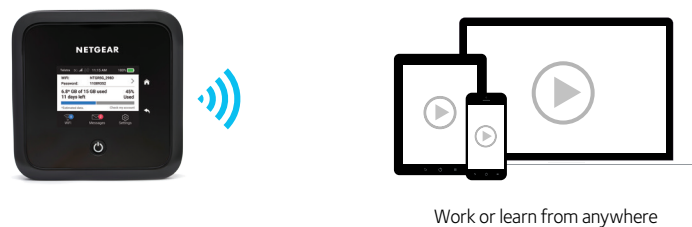
If Fibre, DSL or Cable Internet speeds are not optimal in your area, 5G can be more reliable as your primary Internet connection. Simply connect your Nighthawk M5 Mobile Router to your existing home router to deliver 5G speeds throughout your home.



For always-On WiFi, the Nighthawk M5 Mobile Router can also provide a reliable backup Internet connection over the mobile network. If Fibre, DSL or Cable is interrupted or unavailable, automatically switch from Ethernet to the 5G/4G network and all devices will remain seamlessly connected.

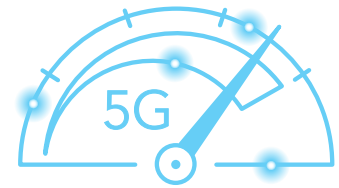
On the Go / Outdoor

If you are in a remote area without a WiFi connection available or in a congested area with many surrounding WiFi networks, the M5 will keep up to 32 devices connected to 5G over WiFi.



Incredible Speed

5G blazing-fast mobile broadband Internet up to 7Gbps*.



WiFi 6 Technology

Dual-band 2.4GHz and 5GHz AX1800 WiFi 6 is ideal for all your mobile connectivity needs: from fast throughput to high-end video streaming on your smartphones, tablets, and computers.



5G Internet Home Router Solution

Bring revolutionary 5G connection to your home or office by simply connecting your Nighthawk 5G Mobile Router to your existing home router.



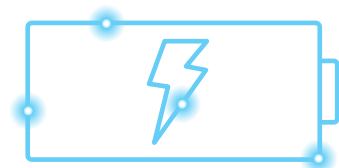
NETGEAR Mobile App

Manage your device using the simple and intuitive app. View your connection status, network access controls and data usage from anywhere using your smartphone or tablet.



Power through Your Day

Battery lasts up to 13 hours on a single charge.



Speed

Supports Sub 6 bands for blazing fast Mobile Broadband Internet.



5G NR—Powered by the Qualcomm® Snapdragon™ X55 Mobile Platform for premium performance, delivering ground-breaking speeds up to 7 Gbps*



WiFi 6—The latest WiFi 6 technology allows more devices to connect and stream simultaneously

Capacity

Keep your entire family or team connected to blazing fast broadband internet.



MORE WIFI FOR MORE DEVICES—Connect up to 32 devices such as smartphones, tablets, and laptops



FIXED WIRELESS OPTION—Bring revolutionary 5G connection to your home or office using the Gigabit Ethernet Port connecting to your existing home router

On-the-Go

Mobile routers advance the way you WiFi on the go. Connect up to 32 devices, and take your work or play anywhere.



TOUCH SCREEN—Intuitive touch UI screen with data usage meter



NETGEAR MOBILE APP—View your connection status, settings, and data usage using your smartphone or tablet



BATTERY—Lasts up to 13 hours on a single charge

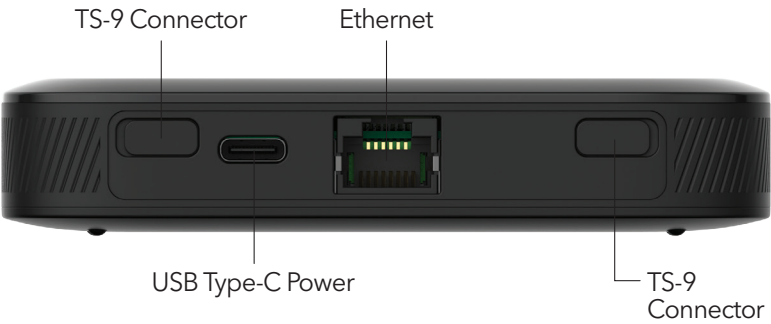
Security

Maintain high security across your network to ensure your privacy & family is safe while online. Whether it's scheduling kids' screen time or limiting access for WiFi guests, NETGEAR has you covered. NETGEAR has you covered.



PARENTAL CONTROLS—Protect or guard access to online content

Connection Diagram



Key Features

- Latest 5G Technology: 5G NR Sub 6GHz (N)SA
- Secure mobile Internet to deliver incredible download speeds; 5G enabled with LTE fallback
- Supports LTE CAT 20, LTE Advanced Pro, 4x4 MIMO, 256-QAM
- LCD touch screen interface
- Travel router with WiFi/Ethernet offloading capabilities
- No battery operation option just plug in power adapter
- Always-on connection you can count on and connect up to 32 WiFi devices on-the-go
- Parental controls to protect or guard access to online content
- Simple, intuitive app-driven user experience to monitor data usage, manage device and network settings
- Powerful, long-lasting battery for all day continuous use
- Two TS-9 connectors available for use with external 5G/4G/3G antennas
- Simple setup with no software to install – just power on and connect
- For always-On WiFi, seamlessly switch to 5G/4G when Fibre, Cable or DSL is unavailable or interrupted

Technical Specifications

Technology / Bands

- 5G: n5, n7, n78
- LTE: B1/B3/B7/B8/B28
- 3G: B1/B2/B5/B8

Chipset

- Qualcomm SDX55

WiFi

- AX1800 Max Throughput (PHY)
 - 1.2Gbps on 5GHz
 - 600Mbps on 2.4GHz

Data Usage Meter

- Manage your data and how much you use

Dimensions

- 105 x 105 x 21.5 mm
- 4.14 x 4.14 x .85 in

Weight

- 240 g (.54 lb) with battery

External Display

- 2.4" touch LCD panel

Battery Life

- All day & night - 5040mAh battery for all day use

External Ports

- One (1) USB Type-C
- One (1) Gbps Ethernet
- Two (2) TS9 RF ports

Security

- WiFi Security
 - WPA™ - Personal
 - WPA2™ - Personal
 - WPA3™ - Personal (Aug 2019)
- Protected Management Frames
- Guest WiFi Privacy Separation
- Wi-Fi Protected Setup™
 - 2.4 GHz, 5 GHz - Concurrent
 - PIN
 - Push-Button (PBC)
- WPS On/Off Control
- WiFi On/Off Control
- WiFi SSID Broadcast On/Off Control
- VPN Passthrough
- MAC Address Filtering
- Website Filtering
- Port Forwarding
- Port Filtering
- Parental Control
- Password Protected WebAdmin Portal
- Session Timeout
- SIM Security
 - PIN1
 - PIN2
 - PUK

Package Contents

- Nighthawk® M5 Mobile Router device and battery
- Quick start guide
- Safety information sheet
- USB type-C cable
- AC adapter
- Quick Charge AC Adapter



*7Gbps is the modem's maximum data transfer rate per the 3GPP Release 15 Standard. Maximum rate is derived from 3GPP Release 15 specifications and actual throughput will vary depending on your internet subscription with your provider. In practice, your internet speeds will be less, as the transfer rate through the MR5100 USB-C port is limited to approximately 2.5 Gbps. The transfer rate may also be reduced by the volume of network traffic or your service plan. The transfer rate may also be reduced by the service provider's specific network implementation.

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