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. It is compatible with AT&T and T-Mobile. 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.

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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.

10X faster than 4G
5G delivers revolutionary mobile broadband connectivity by using shorter frequencies, boosting speeds to unheard of levels of up to 10X faster than 4G.

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

Delivering four times better performance than AC WiFi, WiFi 6 allows more devices to connect and stream simultaneously, without impacting speed or reliability, by efficiently packing and scheduling data. 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 peformance, on the router amplify WiFi signals for maximized range and reliable coverage.
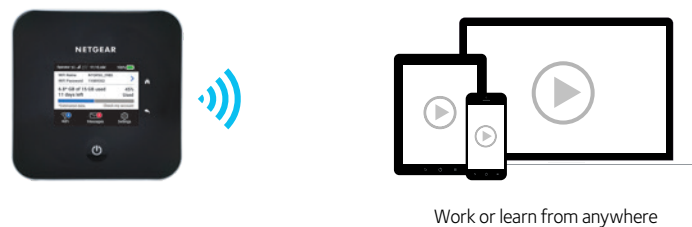
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At Home / Office / Hotel

If fiber, 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.

AND/OR

Secured Internet on all WiFi devices

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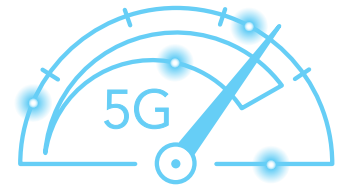
On-the-Go / Outdoor

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 (or 4G LTE where 5G network is not available) over WiFi.

Work or learn from anywhere

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Nighthawk® M5 Mobile Router

Incredible Speed

5G blazing-fast mobile broadband Internet*.

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.
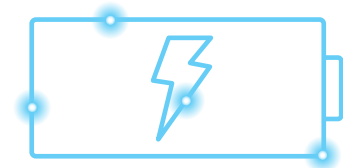
5G Internet Home Router Solution

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.

Compatible with AT&T and T-Mobile

Scan for full list of compatible service providers.

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Speed

Supports Sub 6 bands for blazing-fast mobile broadband Internet.

5GNR—Powered by the Qualcomm® Snapdragon™ X55 Mobile Platform for premium performance, delivering ground-breaking speeds*

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.

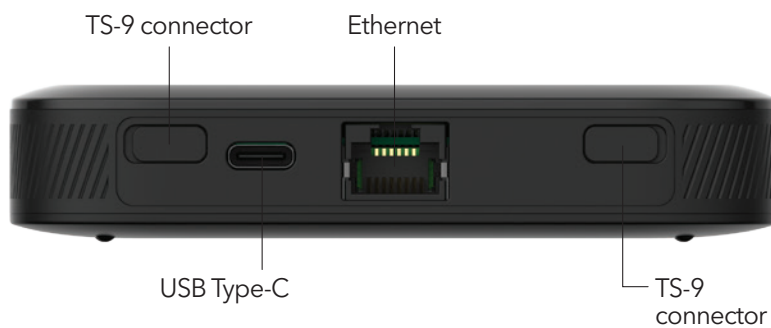TOUCH SCREEN—Intuitive touch UI screen with data usage meter

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

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Nighthawk® M5 Mobile Router

Connection Diagram

TS-9 connector Ethernet

USB Type-C TS-9 connector

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Package Contents

- Nighthawk® M5 Mobile Router device and battery
- Quick start guide
- USB Type-C cable
- AC adapter

Physical Specifications

Dimensions

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

Weight

- 240 g (.54 lb) with battery

Technical Specifications

Technology / Bands

- LTE CAT 20
- 5G: n2/n5/n25/n41/n66/n71/n78
- LTE: B1/B2/B3/B4/B5/B7/B12/B13/B14/ B25/B29/B30/B38/B41/B46/B48/B66/B71
- 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

External Display
- 2.4" touch LCD panel

Battery
- A5040mAh battery

External Ports
- One (1) USB Type-C
- One (1) Gigabit Ethernet
- Two (2) TS9 RF ports

Key Features

- Up to 6X Carrier Aggregation
- Increase network performance and reduce interference with 802.11ax (WiFi 6), 2x2 MIMO and 2.4/5GHz dual band
- Latest 5G Technology: 5GNR 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
- Simple, intuitive app-driven user experience to monitor data usage, manage device and network settings
- Powerful and long-lasting battery
- 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 fiber, cable or DSL is unavailable or interrupted
- IPV6 support

Security

- WiFi security
  - WPA™ - Personal
  - WPA2™ - Personal
  - WPA3™ - Personal
- Protected management frames
- Guest WiFi privacy separation
- Wi-Fi Protected Setup™
  - 2.4GHz, 5GHz - 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
- Password protected web admin portal
- Session timeout
- SIM security
  - PIN1
  - PIN2
  - PUK

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