NIGHTHAWK®

Nighthawk® M6 Pro Mobile Router

Powerful enough for your office, small enough for your pocket. Introducing the next-generation 5G Mobile Router on the T-Mobile Wireless 5G Network

The NETGEAR® Nighthawk® M6 Pro Mobile Router upgrades your mobile broadband experience with incredible 5G speed and to unparalleled new heights with WiFi 6E. Keep your entire staff connected to 5G over WiFi 6E for up to 32 devices. This is secure WiFi your teams can trust, anywhere and everywhere. Perfect for business staff on the go, from frequent executive travel

to first responders and service technicians—the access to secure WiFi keeps their productivity high, while maintaining data safety and integrity. Use the Nighthawk M6 Pro 5G Mobile Router as a primary gateway (Fixed Wireless Access) device, and connect up to 32 devices over WiFi 6E with coverage up to 2000 sq ft! For larger work spaces, connect the M6 Pro to a NETGEAR Pro

WiFi Wireless Access Point, WiFi Range Extender or office router, and unleash 5G Internet to your office network. Easy-to-use and portable for any team member to take for the day, the simple-to-use 2.8" LCD touch screen allows for monitoring data usage, verifying WiFi name/password, mobile signal strength, and control device and network settings.

NETGEAR®

Nighthawk® M6 Pro Mobile Router

At Office or Remote Work Location–WiFi, Unbound

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 connectivity to all 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.

Secure, Private Network

Avoid the risks of public WiFi, especially when connecting at airports and places that offer open WiFi.

WiFi 6E–Ready for Today and Tomorrow's Smart Workplace

Delivering four times better performance than WiFi 5, WiFi 6E 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 office demands, this new standard of WiFi is ready to support more devices with better reliability and faster speeds.

Capacity

WiFi 6E gives you improved network capacity for more WiFi devices. Enjoy uninterrupted 4K/8K streaming, download content from the Cloud, and other smart office apps.
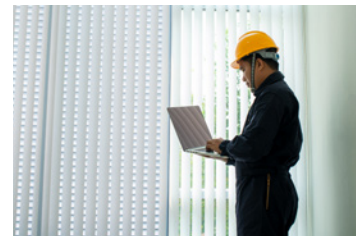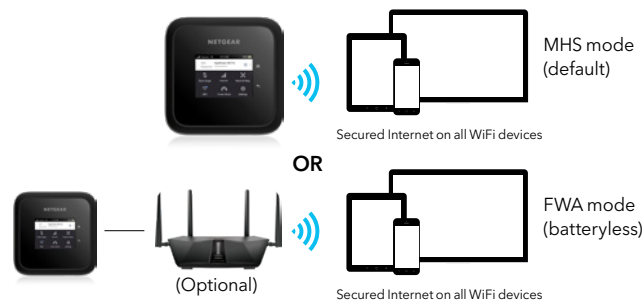
Speed

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, & video conferencing.
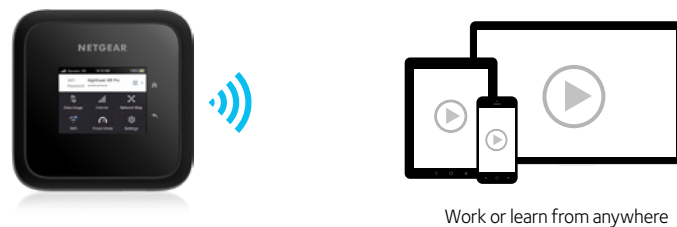
Range

Experience reliable and stronger WiFi coverage indoors and outdoors for all your devices. Up to 2,000 sq. ft. to canvas your work environment. High-performance antennas, pre-optimized for best peformance, on the router amplify WiFi signals for maximized range and reliable coverage.

At Office or Remote Work location—WiFi, unbound.

If fiber, DSL or cable Internet speeds are not optimal in your area, 5G can be more reliable as your primary Internet connection. For Fixed Wireless Access Mode, simply connect your Nighthawk M6 Pro Mobile Router to your existing office router to deliver 5G speeds throughout your workplace. The Nighthawk M6 Pro Mobile Router can also provide a reliable backup Internet connection over the T-Mobile network. If fiber, DSL or cable is interrupted or unavailable, the M6 Pro automatically switches from Ethernet to the T-Mobile 5G/4G network and all devices will remain seamlessly connected.
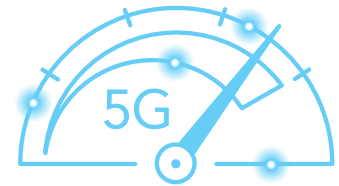

MHS mode (default)

Secured Internet on all WiFi devices

OR

FWA mode (batteryless)

(Optional)

Secured Internet on all WiFi devices

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 M6 Pro will keep up to 32 devices connected to 5G (or 4G LTE where 5G network is not available) over WiFi.
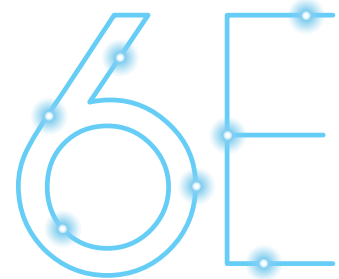

Work or learn from anywhere

Lightning-fast 5G Internet Speed

5G Sub-6 C-Band and mmWave provide lightning-fast Internet speeds for smoother and crisper streaming, and uninterrupted video calls—wherever you are.
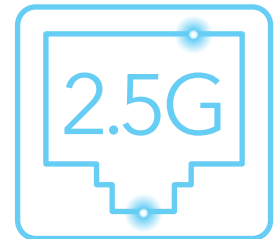
WiFi 6E Technology

Tri-band 2.4GHz, 5GHz and 6GHz with dual-band concurrent operation. WiFi 6E AXE3600, with aggregated speeds of 3.6Gbps, is ideal for supporting up to 32 devices simultaneously.[***]
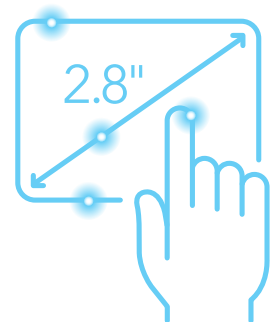
2.5G Ethernet Port

Distribute Multi-Gig Internet speeds at home by connecting your wired devices to the 2.5G Ethernet port.[**]

Extra-large 2.8" Intuitive Touch Screen

Easily set up the device, change WiFi settings, and monitor your data usage using the built-in color LCD screen.

NETGEAR® INSIGHT **PRO**   Mobile Device Management Platform

Comprehensive Reporting

Receive reports on device usage, cellular signal strength, bandwidth, Mobile Router battery levels and more on all devices deployed.

Simple Device Onboarding

Bulk device onboarding for simplicity. Ensure the device claiming process is secure and authenticated to protect device ownership by the organization.

Easy Access Management

Easily locate all deployed devices, search devices by multiple search terms (Model, SN, Status, and Uptime), and track inventory devices in the field.

Easy Business Connectivity

Mobile businesses can operate from anywhere with instant connectivity for any device without relying on additional infrastructure or technical support.

Centralized Device Configuration & Management

Centrally apply profiles and policies to one or a group of devices with easy replication and cloning or profile and policy settings.

Speed

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

5GNR–Powered by the Qualcomm® Snapdragon™ X65 Mobile Platform for premium performance, delivering ground-breaking speeds*

WIFI 6E–The latest WiFi 6E 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 office using the Gigabit Ethernet port connecting to your existing office router

On-the-go

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

TOUCH SCREEN–Intuitive color touch UI screen with data usage meter

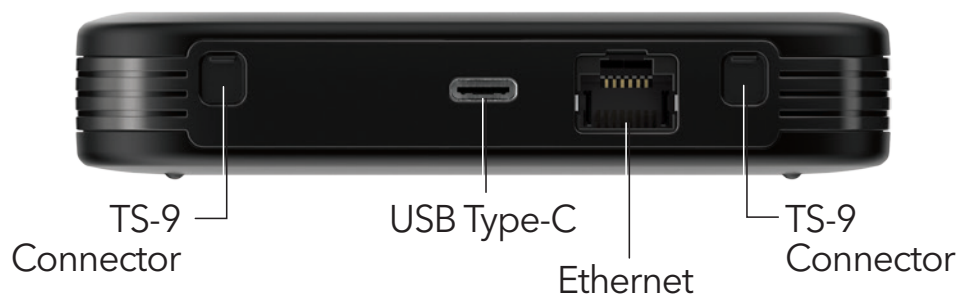NETGEAR MOBILE APP–View your connection status, settings, and data usage using your smartphone or tablet

BATTERY–Power on with the long-lasting battery, or plug directly into an outlet with battery removed

NIGHTHAWK®

Connection Diagram

TS-9
Connector

USB Type-C

Ethernet

TS-9
Connector

NETGEAR®

Package Contents

- Nighthawk® M6 Pro 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

- 256 g (.56 lb) with battery

Technical Specifications

Technology / Bands

- LTE CAT 20
- 5G Sub-6: 2/5/7/2/14/25/29/30/38/41/48/ 66/71/77 /78
- 5G mmWave: 260/261
- LTE: 1/2/3/4/5/7/12/13/14/25/26/28/29/ 30/40/41/46/48/66/71

Chipset

- Qualcomm SDX65

WiFi 6E

- AXE3600 max throughput (PHY)
- 5GHz/6GHz: 2900Mbps
- 2.4GHz: 700Mbps
- 2.4GHz+5GHz: 3600Mbps
- 2.4GHz+6GHz: 3600Mbps
- 5GHz+6GHz: Not supported

Data Usage Meter

- Manage your data and how much you use

External Display

- 2.8" color touch LCD panel

Battery

- 5040mAh battery(W20)
- 5400mAh battery(W20b)

External Ports

- One (1) USB Type-C
- One (1) 2.5Gbps Ethernet**
- Two (2) TS9 RF ports

Key Features

- Latest 5G technology:
  - 5G mmWave (8CC - 800MHz)
  - 5G Sub-6 (3CC - 200 MHz)
  - 5G C-Band support
- Secure Business 5G Internet with LTE fallback
- Supports LTE CAT 20, LTE Advanced Pro, 4x4 MIMO, 256-QAM
- GPS Support
- 2.8" LCD Color Touch Screen Interface
- Carrier Aggregation
  - Up to 10x Carrier Aggregation on 4G LTE +5G mmWave
  - Up to 7x Carrier Aggregation on 4G LTE +5G Sub-6
  - Up to 5x Carrier Aggregation on 4G LTE
- Increase network performance and reduce interference with 802.11axe (WiFi 6E), 2x2 MIMO and 2.4/5/6GHz dual band***
- Simple, intuitive app-driven user experience to monitor data usage, manage device and network settings
- Powerful and long-lasting battery
- Use Power Management settings to help manage battery usage time
- Two TS-9 connectors available for use with external 5G/4G antennas
- Simple setup with no software to install. Just power on and connect

Security

- WiFi security
  - WPA™ - Personal
  - WPA2™ - Personal
  - WPA3™ - Personal
- Guest WiFi privacy separation
- Wi-Fi Protected Setup™
  - 2.4GHz/5GHz/6GHz
  - 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
- WiFi and Ethernet Offloading

*Actual throughput will vary depending on your internet subscription with your provider. The transfer rate may 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.

**To reduce power consumption and extend the battery life, this mobile router by default has Ethernet disabled. 2.5G Ethernet port can only be enabled when the battery is removed. You can go to Power Manager to change to custom profile settings.

***To reduce power consumption and extend the battery life, this mobile router is set by default to the WiFi 5GHz Only band.

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