

# 300Mbps Multi-Mode Wireless N Router

Model: MW305R

## // Highlights

- 300Mbps Wireless Speed - Ideal for HD streaming, online gaming, and large file downloads
- Three 5dBi antennas greatly increase wireless signal strength, size and stability
- Easy Installation - Intuitive Webpage and APP guides you through the setup process in minutes
- Multi-Mode - Supports Router, Range Extender, Access Point and WISP modes
- The MERCUSYS app helps you set up in minutes and manage your Wi-Fi through your iOS or Android devices.



Hassle-Free  
Installation



IPTV  
Supported



IPv6  
Supported



Miniature  
Design



Stable 300 Mbps  
Connection

## // Applications



Ideal for medium homes and multiple users



Ideal for average internet users seeking fast downloads, seamless streaming audio, uninterrupted streaming video, and lag-free online gaming

## // Features



### Parental Controls

Establish appropriate policies to protect children with responsible, safe internet access



### QoS

Prioritizes devices you select to perform better



### Guest Network

Provides a separate network for guests to ensure your security and privacy



### IPTV Supported

Supports IGMP Proxy/Snooping, Bridge, and Tag VLAN to optimize IPTV streaming



### IPv6 Supported

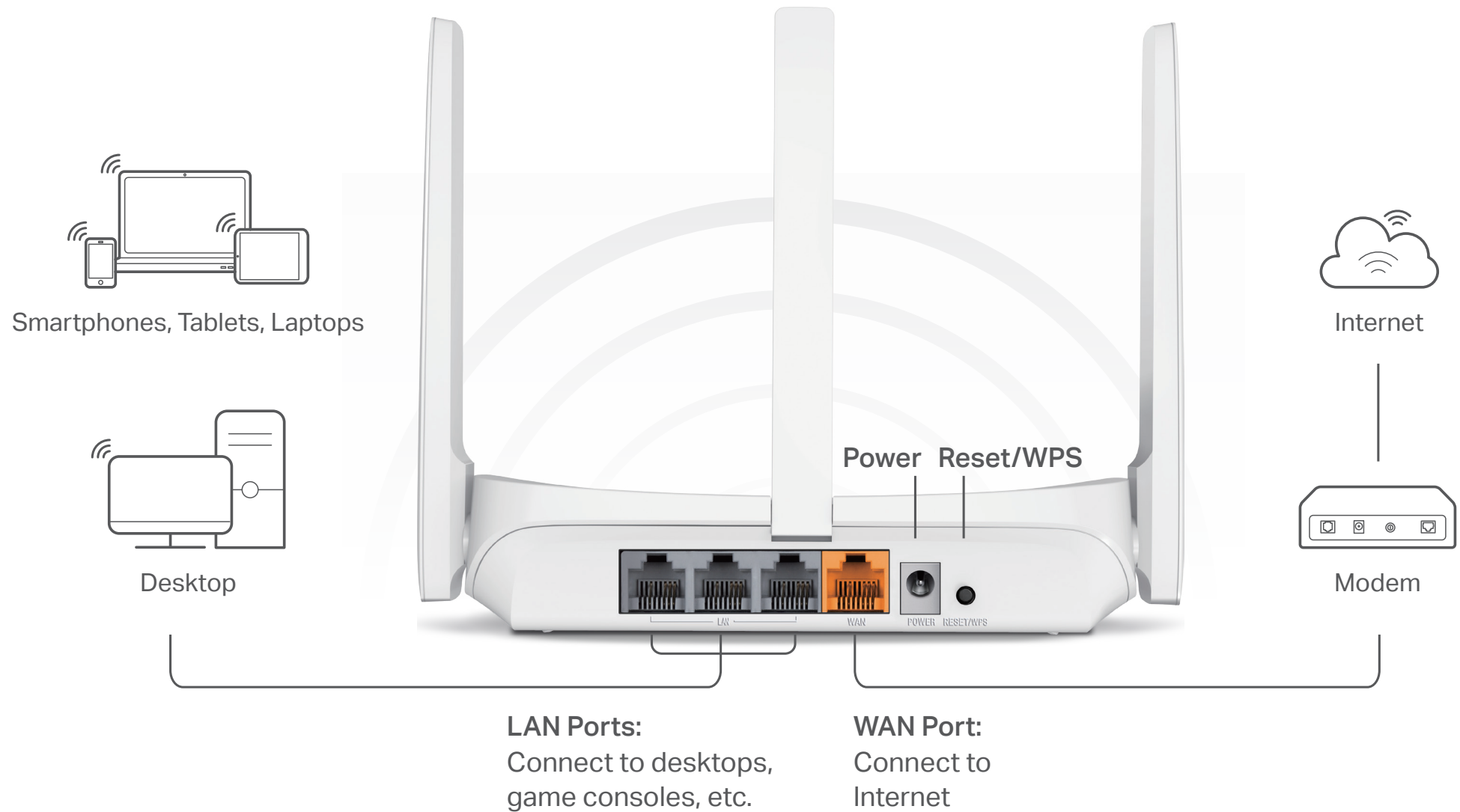
Allows you to enjoy IPv6 services provided by your ISP and visit IPv6 websites



### Ease of Use

The simple three-step setup allows you to complete installation in minutes

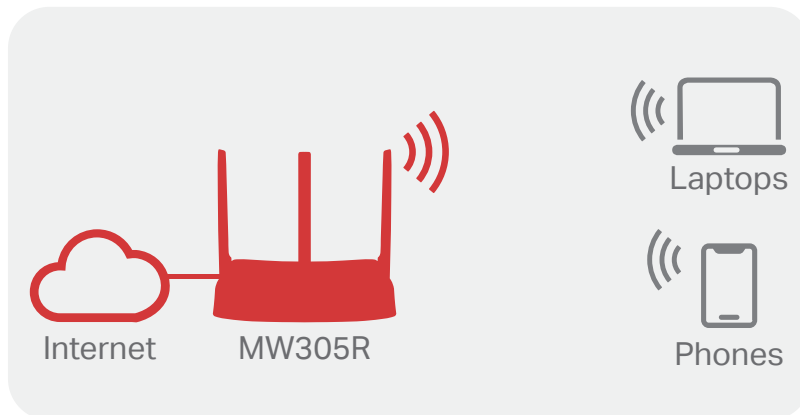
## // Connections



## // 4 Modes in 1

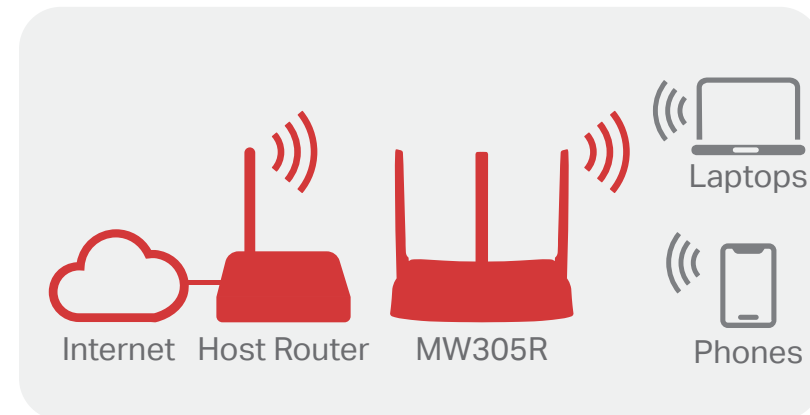
### Router Mode

Creates a wireless network to all your Wi-Fi devices



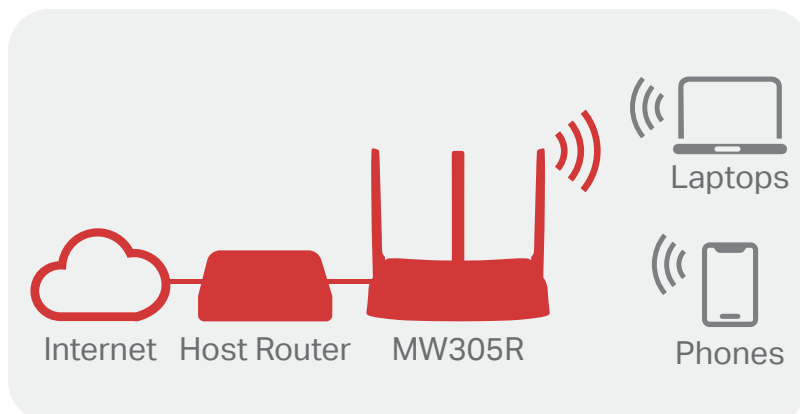
### Range Extender Mode

Extends your existing Wi-Fi



### Access Point Mode

Extends a wired network and makes it wireless



### WISP Mode

Wirelessly connects to the ISP network in areas without wired service



Specifications

Physical Specifications

Ethernet Ports

1\*10/100Mbps WAN Port,  
3\*10/100Mbps LAN Ports

Button

RESET/WPS Button

Antennas

3 \* Fixed Antennas

External Power Supply

5V/0.6A

Dimensions (W x D x H)

5.8 × 4.5 × 1.3 in (147 × 115 × 34 mm)

Package Contents

Wi-Fi N Router (MW305R)  
Power Adapter  
Quick Installation Guide  
Ethernet Cable

Wireless Specifications

Wireless Standards

IEEE 802.11 b/g/n

Frequency

2.4-2.5 GHz

Signal Rate

- 11n: Up to 300Mbps (Dynamic)
- 11g: Up to 54Mbps (Dynamic)
- 11b: Up to 11Mbps (Dynamic)

EIRP

<20dBm (EIRP)

Reception Sensitivity

- 270M: -70dBm@10% PER
- 11M: -87dBm@10% PER
- 130M: -72dBm@10% PER
- 6 M: -92dBm@10% PER
- 54M: -74dBm@10% PER
- 1 M: -94dBm@10% PER

Wireless Function

Enable/Disable Wireless Radio, WDS Bridging

Wireless Security

WPA-PSK/WPA2-PSK

Operation Specifications

WAN Type

Dynamic IP/Static IP/PPPoE/PPTP/L2TP

DHCP

DHCP Server, DHCP Client List

Port Forwarding

Virtual Server, UPnP, DMZ

Management

Access Control

Local Management

Remote Management

Firewall Security

IP and MAC Address Binding

Guest Network

2.4GHz Guest Network

Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Operating Humidity: 10%~90% Non-Condensing