

300Mbps Multi-Mode Wireless N Router

Model: MW301R

// Highlights

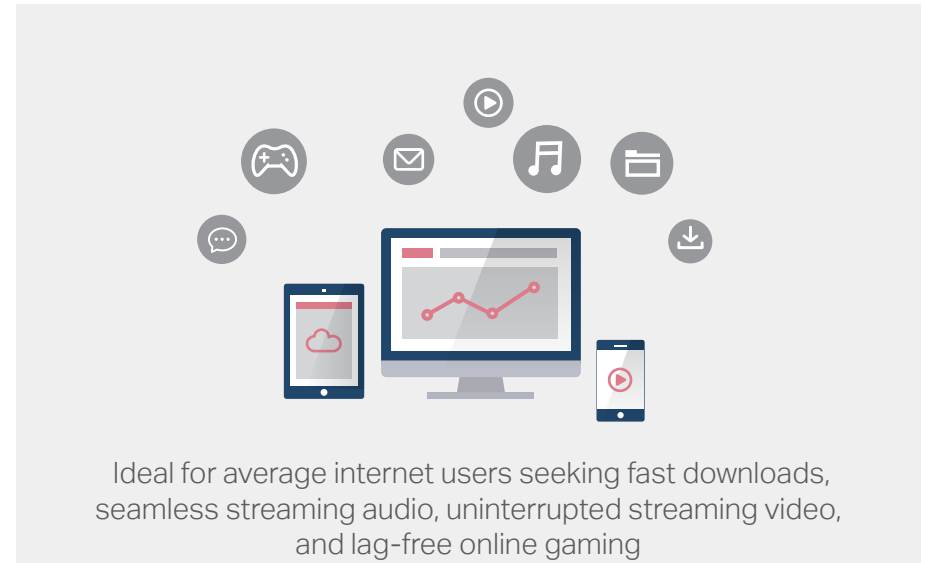
- 300Mbps Wireless Speed - Ideal for HD streaming, online gaming, and large file downloads
- Two 5dBi antennas greatly increase wireless signal strength, size and stability
- Easy Installation - Intuitive Webpage and APP guides you through the setup process in minutes
- Multi-Mode - Supports Router, 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.



// 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



High-Speed Wi-Fi

Stream your games or videos and download files at speeds of up to 300 Mbps



Guest Network

Keep your main network secure by creating a separate network for friends and visitors



Access Control

Establish a whitelist or blacklist to allow or block certain devices from accessing the internet



5 dBi External Antennas

High gain antennas ensure broad wireless coverage



Ease of Use

Easy three-step setup allows you to complete the installation in minutes



Security

WPA-PSK/WPA2-PSK encryptions provide active protection against security threats



Parental Control

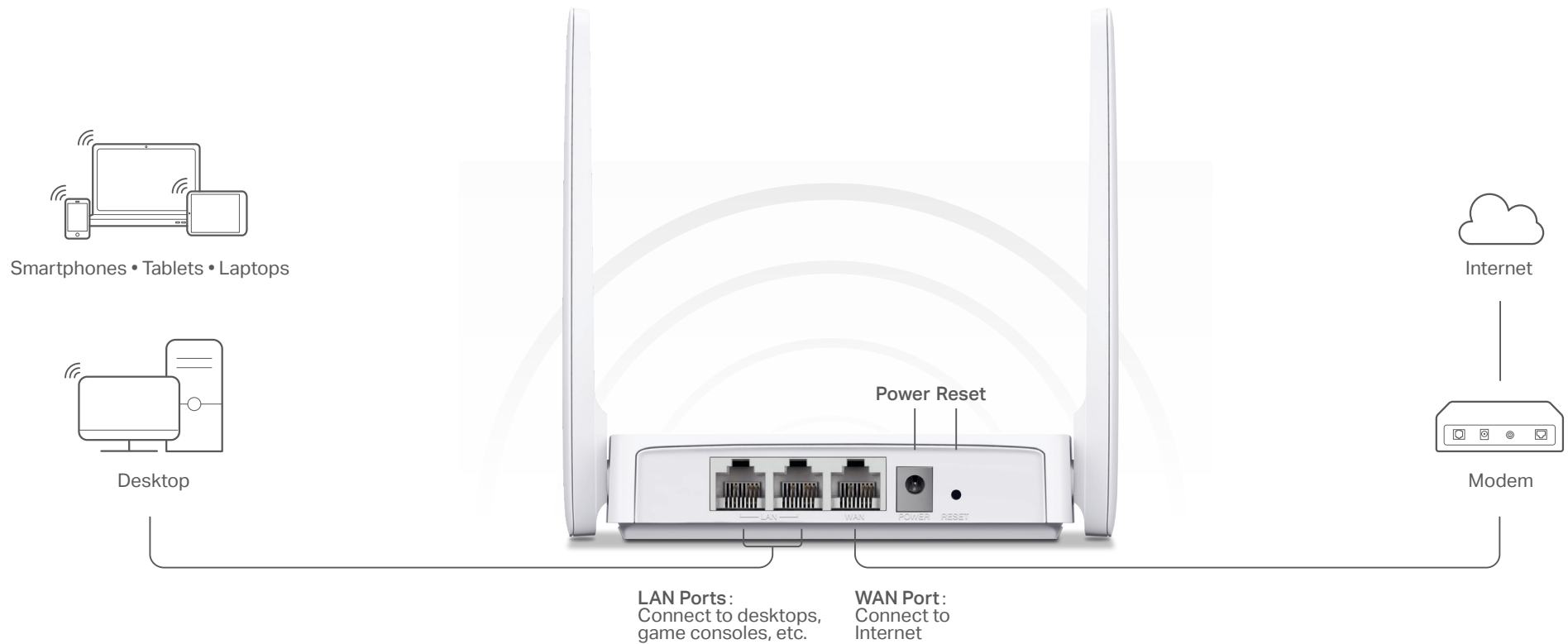
Parents can establish appropriate access policies to protect children



Wi-Fi Schedule

Disable the wireless signal during a specific period

// Connections



// Specifications

Physical Specifications

Ethernet Ports

2*10/100Mbps LAN Ports &
1*10/100Mbps WAN Port

Button

Reset Button

External Power Supply

5V/0.6A

Dimensions (W x D x H)

114mm×94mm×26mm

Antenna

2 * 5dBi

Package Contents

300Mbps Wireless N Router (MW301R)
Power Adapter
Quick Installation Guide
Ethernet Cable

Wireless Specifications

Wireless Standards

IEEE 802.11b/g/n

Frequency

2.4-2.4835GHz

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
- 130M: -74dBm@10% PER
- 54M: -76dBm@10% PER
- 11M: -90dBm@8% PER
- 6 M: -92dBm@10% PER
- 1 M: -97dBm@8% 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

Server

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

Protocols

IPv4, IPv6

Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Storage Temperature: -40°C~70°C (-40°F~158°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing

Specifications are subject to change without notice. MERCUSYS is a registered trademark of MERCUSYS TECHNOLOGIES CO., LTD. Other brands and product names are trademarks or registered trademarks of their respective holders. Copyright © 2019MERCUSYS TECHNOLOGIES CO., LTD. All rights reserved.

* Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.