ComX Computers
Product Specification Sheet

TP TL-WR845N

TP-Link TL-WR845N 300Mbps Wireless N Router

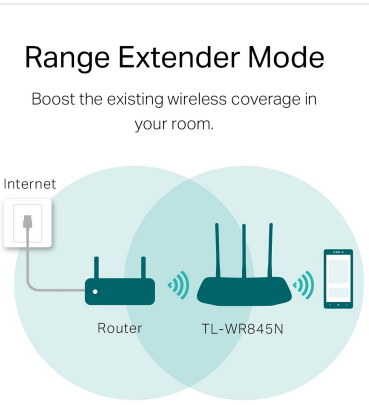
Product Overview

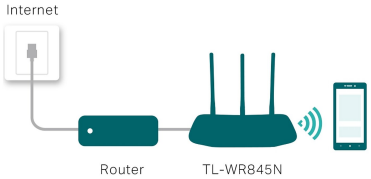
TP-Link TL-WR845N 300Mbps Wireless N Router; 2.4GHz Wi-Fi; IEEE 802.11n/g/b; 3 x 5dBi Fixed Antennas; 1 x 10/100Mbps WAN Port; 4 x 10/100Mbps LAN Ports; Router, Access Point, Range Extender and WISP Modes; Guest Wi-Fi; Parental Controls; IPv4/IPv6; TP-Link Tether App; Dimensions: 230 x 144 x 35mm











Specifications

About this product

The TP-Link TL-WR845N 300Mbps Wireless N Router is a reliable and affordable Wi-Fi networking solution for home and small office environments. Featuring 2.4GHz Wireless N technology, three high-gain external antennas, four 10/100Mbps LAN ports and one WAN port, it delivers wireless connectivity for everyday internet browsing, video streaming, online communication and connected devices. With Access Point, Range Extender and WISP modes, guest network access, parental controls and easy management through the TP-Link Tether app, the TL-WR845N offers flexible network management and convenient wireless connectivity. Buy the TP-Link TL-WR845N online in South Africa today for a practical home networking solution.

Overview Summary

TP-Link TL-WR845N 300Mbps Wireless N Router

The TP-Link TL-WR845N is a 300Mbps Wireless N router designed to provide stable wireless internet connectivity for homes and small offices. Operating on the 2.4GHz frequency band, it supports IEEE 802.11n, 802.11g and 802.11b wireless standards, making it suitable for everyday networking tasks such as web browsing, email, video streaming, file downloads and video calls.

Equipped with three external 5dBi high-gain antennas, the router is designed to improve wireless signal coverage and connection stability. It includes four 10/100Mbps LAN ports for wired devices and one 10/100Mbps WAN port for connecting to an internet modem. Additional networking capabilities include Access Point Mode, Range Extender Mode, WISP Mode, guest network access, parental controls and device-based bandwidth management.

The TP-Link Tether application provides convenient setup and network management through compatible mobile devices. IPv6 support, wireless security encryption and flexible operating modes make the TL-WR845N a practical solution for everyday home networking requirements.

Performance tier: Entry-level Wireless N300 home networking router

Uses: Home Wi-Fi networking, internet browsing, HD video streaming, video calls, online learning, email, file downloads, wired device networking, wireless access point, Wi-Fi range extension

Description

The TP-Link TL-WR845N 300Mbps Wireless N Router is designed to provide convenient and dependable wireless networking for everyday home and small office requirements. Using Wireless N technology, the router delivers wireless speeds of up to 300Mbps on the 2.4GHz frequency band, providing connectivity for compatible smartphones, laptops, tablets, desktop computers and other wireless network devices.

Wireless N300 connectivity

The TL-WR845N supports IEEE 802.11n wireless technology, with backward compatibility for IEEE 802.11g and IEEE 802.11b devices. Its wireless connection supports everyday activities such as internet browsing, online communication, video streaming and file downloads. The 2.4GHz frequency band provides compatibility with a wide range of commonly used wireless devices.

Three external high-gain antennas

Featuring three fixed 5dBi omnidirectional antennas, the TL-WR845N is designed to improve wireless signal distribution and coverage throughout the home. The antenna arrangement helps provide a more stable wireless connection across multiple rooms, although actual coverage depends on building materials, interference, router placement and connected devices.

Flexible wired networking

The router includes four 10/100Mbps LAN Ethernet ports for connecting wired network devices such as desktop computers, televisions, gaming consoles and other Ethernet-compatible equipment. A dedicated 10/100Mbps WAN port connects the router to a compatible internet modem or broadband connection.

Multiple operating modes

The TL-WR845N supports several networking configurations to suit different environments. Router Mode provides wireless and wired network connectivity through an internet connection. Access Point Mode converts an existing wired network into a wireless network. Range Extender Mode helps extend an existing wireless network, while WISP Mode allows the router to connect wirelessly to an internet service provider network where supported.

Network management and security

Guest Network functionality allows visitors to access a separate wireless network without requiring access to the primary private network. Parental controls provide URL filtering and time-based access restrictions to help manage internet usage. Wireless encryption and network security features help protect connected devices and network access.

Convenient setup with TP-Link Tether

The TP-Link Tether application provides a convenient way to configure and manage compatible TP-Link routers using a mobile device. Its user-friendly interface simplifies initial installation and allows users to manage important wireless network settings.

The TP-Link TL-WR845N is a practical networking choice for users looking for an affordable Wireless N300 router with multiple Ethernet connections, flexible operating modes and straightforward network management.

Features

300Mbps Wireless N connectivity

- Provides wireless speeds of up to 300Mbps on the 2.4GHz frequency band.
- Supports IEEE 802.11n, 802.11g and 802.11b wireless standards.
- Suitable for everyday internet browsing, video streaming, online communication and file downloads.

Three high-gain external antennas

- Three fixed 5dBi omnidirectional antennas help improve wireless signal distribution.
- Designed to provide improved wireless coverage and connection stability.
- Suitable for small to medium-sized home networking environments.

Four Ethernet LAN ports

- Includes four 10/100Mbps LAN ports for wired network connections.
- Connect desktop computers, smart televisions, gaming consoles and other Ethernet devices.
- Provides wired connectivity for devices that benefit from a direct network connection.

Dedicated WAN port

- One 10/100Mbps WAN port connects the router to a compatible internet modem.
- Supports Dynamic IP, Static IP, PPPoE, PPTP and L2TP WAN connection types.

Multiple operating modes

- Router Mode provides standard wireless and wired internet connectivity.
- Access Point Mode converts an existing wired network into a wireless network.
- Range Extender Mode helps extend existing wireless coverage.
- WISP Mode supports wireless connections to compatible internet service provider networks.

Guest network functionality

- Provides a separate guest wireless network.
- Allows visitors to connect to the internet without sharing access to the primary private network.

Parental controls

- Supports URL filtering to help restrict access to selected websites.
- Time controls help manage when connected users can access the network.

Wireless security

- Supports WEP, WPA and WPA2 wireless encryption.
- Supports WPA/WPA2 Enterprise authentication (802.1x).
- Includes SPI Firewall, Access Control and IP & MAC Binding security features.

Bandwidth management

- IP-based bandwidth control allows administrators to allocate bandwidth to individual computers.
- Device-based Quality of Service helps manage network traffic priorities.

Easy installation and management

- Compatible with the TP-Link Tether application for convenient mobile management.
- Web-based management interface for configuring network settings.
- WPS button supports convenient wireless security setup on compatible devices.

IPv6 compatibility

- Supports IPv4 and IPv6 networking protocols.
- Provides compatibility with the newer Internet Protocol version for supported network configurations.

Speedy Wireless N300
The TL-WR845N provides speedy and stable Wi-Fi for your network needed devices. Up to 300Mbps wireless speed makes it a practical solution for home network applications like files download, video chat or online streaming.

Greater Coverage and Enhanced Reliability
Three 5dBi high gain antennas perfect for small to medium house, a better coverage lets you never lost connections and enjoy more stable connection.

Access Point Mode
Transform your existing wired network to a wireless one.

Range Extender Mode
Boost the existing wireless coverage in your room.

WISP Mode
Connect to the ISP network wirelessly in areas without wired service.

Delicate Appearance
The new design with elegant texture makes it a stylish addition to the decor of any room in your home.

Guest Network Access
Guest Network function provides secure access for guests to sharing your Wi-Fi network. Easy sharing, no worry about your private network.

Easy Parental Control
Parent Control allows parents or administrators to deploy restricted access for children or staff. With URL blocking, you can easily set up a black or white list to limit the level of web access.

Easy Setup and Management
Set up the TL-WR845N in minutes thanks to its intuitive web interface and the powerful Tether app. TP-Link Tether app

provides the easiest way to access and manage your router on your smartphone, allows you to start enjoying your new device faster.

What's in the Box

- 1 x TP-Link TL-WR845N 300Mbps Wireless N Router
- 1 x Power Adapter
- 1 x RJ45 Ethernet Cable
- 1 x Quick Installation Guide

Specifications

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Specifications	
Product Code	TP TL-WR845N
WIRELESS	
Standards and Protocols	Wi-Fi 4
	IEEE 802.11n/b/g 2.4 GHz
WiFi Speeds	N300
	2.4 GHz: 300 Mbps (802.11n)
WiFi Range	2 Bedroom Houses
	3x Fixed Antennas
	Multiple antennas form a signal-boosting array to cover more directions and large areas
WiFi Capacity	Legacy
Working Modes	Router Mode
	Access Point Mode
	Range Extender Mode
	WISP Mode
SECURITY	
Network Security	SPI Firewall
	Access Control
	IP & MAC Binding
	Application Layer Gateway
Guest Network	1x 2.4 GHz Guest Network
WiFi Encryption	WEP
	WPA
	WPA2
	WPA/WPA2-Enterprise (802.1x)
HARDWARE	

Processor	Single-Core CPU
Ethernet Ports	1x 10/100 Mbps WAN Port
	4x 10/100 Mbps LAN Ports
Power	9 V 0.6 A
Buttons	WPS Button
	Reset Button
SOFTWARE	
Protocols	IPv4
	IPv6
Parental Controls	URL Filtering
	Time Controls
WAN Types	Dynamic IP
	Static IP
	PPPoE
	PPTP
	L2TP
Quality of Service	QoS by Device
NAT Forwarding	Virtual Server
	Port Forwarding
	Port Triggering
	DMZ
	UPnP
IPTV	IGMP Proxy
	IGMP Snooping
DHCP	Address Reservation
	DHCP Client List
	Server
DDNS	NO-IP
	DynDNS
Management Features	Tether App
	Webpage
OTHER	

Network Services Enabled by Default	Web Server
	Manage and configure device through web (HTTP/HTTPS)
	Port: 80/443 Protocol: TCP
	DHCP Server
	IP address assignment (DHCP)
	Port: 67 Protocol: UDP
	App management
	Manage and configure device through app
	Port: 22 Protocol: TCP
	Port: 20001 Protocol: TCP
	Port: 20002 Protocol: UDP
System Requirements	Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser
	Cable or DSL Modem (if needed)
	Subscription with an internet service provider (for internet access)
Certifications	FCC, CE
Environment	Operating Temperature: 0degreesC~40degreesC (32degreesF ~104degreesF)
	Storage Temperature: -40degreesC~70degreesC (-40degreesF ~158degreesF)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing
TEST DATA	
WiFi Transmission Power	CE:
	FCC:
WiFi Reception Sensitivity	270M: -70dBm@10% PER
	130M: -74dBm@10% PER
	108M: -74dBm@10% PER
	54M: -77dBm@10% PER
	11M: -93dBm@8% PER
	6M: -95dBm@10% PER
	1M: -98dBm@8% PER
PHYSICAL	
Dimensions (WxDxH)	9.1 x 5.7 x 1.4 in
	(230 x 144 x 35 mm)

Package Content	Wi-Fi Router TL-WR845N
	Power Adapter
	RJ45 Ethernet Cable
	Quick Installation Guide

FAQ

What is the maximum wireless speed of the TP-Link TL-WR845N?

The TP-Link TL-WR845N supports wireless speeds of up to 300Mbps using 2.4GHz Wireless N technology (802.11n). Actual internet speeds depend on the internet connection, network conditions and connected devices.

Does the TP-Link TL-WR845N support 5GHz Wi-Fi?

No. The TL-WR845N is a single-band wireless router that operates on the 2.4GHz frequency band. It does not support 5GHz Wi-Fi.

How many Ethernet ports does the TL-WR845N have?

The router features four 10/100Mbps LAN Ethernet ports for wired devices and one 10/100Mbps WAN port for connecting to an internet modem.

Is the TP-Link TL-WR845N suitable for home use?

Yes. The TL-WR845N is designed for home networking and everyday internet activities such as browsing, email, video calls, online learning and video streaming.

Does the TL-WR845N have external antennas?

Yes. It features three fixed 5dBi omnidirectional external antennas designed to improve wireless signal distribution and connection stability.

Can the TP-Link TL-WR845N be used as a Wi-Fi range extender?

Yes. The router supports Range Extender Mode, allowing it to help extend an existing compatible wireless network.

Can the TL-WR845N work as a wireless access point?

Yes. Access Point Mode allows the TL-WR845N to convert an existing wired network connection into a wireless network.

Does the TP-Link TL-WR845N support WISP mode?

Yes. WISP Mode allows the router to connect wirelessly to a compatible internet service provider network, making it useful in locations where a suitable wireless internet service is available.

Can I connect a desktop computer or smart TV to the TL-WR845N?

Yes. The four Ethernet LAN ports allow compatible desktop computers, smart televisions, gaming consoles and other wired network devices to connect directly to the router.

Does the TL-WR845N support guest Wi-Fi?

Yes. The router supports a separate 2.4GHz guest network, allowing visitors to access Wi-Fi without requiring access to the primary private network.

Does the TP-Link TL-WR845N have parental controls?

Yes. Its parental control features include URL filtering and time controls, allowing administrators to manage website access and internet usage times.

Can I manage the TP-Link TL-WR845N using my smartphone?

Yes. The compatible TP-Link Tether application provides mobile access to router setup and network management features.

Is the TP-Link TL-WR845N compatible with fibre internet?

The TL-WR845N can be used with a compatible fibre ONT or modem through its Ethernet WAN port, provided the internet connection uses a supported WAN configuration. The router's Ethernet ports support speeds of up to 100Mbps, so it is not suitable for internet plans requiring wired speeds above 100Mbps.

What power adapter does the TP-Link TL-WR845N require?

The router uses a 9V DC power supply rated at 0.6A. Use a compatible power adapter with the correct electrical specifications.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TP-TL-WR845N-TP-Link-TL-WR845N-300Mbps-Wireless-N-Router-p-342178.php

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