ComX Computers
Product Specification Sheet

TL-WN823N

TP-LINK 300Mbps Mini Wireless N USB Adapter

Product Overview

TP-LINK 300Mbps Wireless N Mini USB Adapter, Mini Size, Realtek, 2T2R, 2.4Ghz, 802.11b/g/n, QSS Button, Autorun Utility











Specifications

About this product

The TP-LINK TL-WN823N 300Mbps Wireless N Mini USB Adapter is a compact and portable solution for high-speed wireless connectivity. Supporting speeds up to 300Mbps, it is ideal for HD streaming, online gaming, VoIP calls, and general internet use. With a one-touch WPS button for secure connections and SoftAP mode to convert a wired connection into a Wi-Fi hotspot, the TL-WN823N provides reliable wireless access for laptops and desktops. Easy installation and broad OS compatibility make it perfect for home, office, or on-the-go use.

Overview Summary:

The TP-LINK 300Mbps Wireless N Mini USB Adapter is your go-to solution for fast and reliable internet connectivity. Designed for easy setup, this compact and portable adapter supports speeds up to 300Mbps, perfect for HD video streaming, online gaming, and VoIP calls. With a simple WPS button for one-touch security and a SoftAP mode that turns wired internet into a Wi-Fi hotspot, the TL-WN823N provides seamless wireless access anywhere. It's compatible with most operating systems and works flawlessly with 802.11b/g/n networks. Buy now and enjoy an uninterrupted wireless experience with TP-LINK.

Performance tier: High-Performance

Uses:HD video streaming, online gaming, VoIP calls, internet sharing, home office internet access

Overview:

TP-LINK 300Mbps Wireless N Mini USB Adapter (TL-WN823N)
TP-LINK's 300Mbps Mini Wireless N USB Adapter TL-WN823N provides an easy and effective way to connect your laptop or desktop to a wireless network. Its compact design allows for maximum portability while delivering high-speed wireless performance. Ideal for users who need a simple and reliable solution for wireless internet access, this device combines fast speeds, user-friendly features, and advanced technology in one convenient package.

Description:

The TP-LINK TL-WN823N is a mini-sized wireless adapter designed to deliver fast 300Mbps wireless speeds, making it perfect for high-definition video streaming, online gaming, and VoIP calls. The adapter's small form factor makes it incredibly portable, and its SoftAP mode turns wired internet connections into a wireless hotspot. Setup is a breeze, with one-touch WPS security for hassle-free encryption and a user-friendly configuration utility. The TL-WN823N is compatible with most operating systems and seamlessly integrates with existing wireless networks.

Features:

Key Benefits of TP-LINK TL-WN823N Wireless Adapter

High-Speed Wireless Performance
Enjoy smooth and uninterrupted online experiences with wireless speeds up to 300Mbps. Whether you're streaming HD videos, playing online games, or making VoIP calls, this adapter provides a stable and fast connection. It's designed for optimal performance with wireless N devices and remains fully compatible with older 802.11b/g networks.

SoftAP Mode for Internet Sharing
The TL-WN823N's SoftAP mode transforms your PC or laptop's wired internet connection into a Wi-Fi hotspot. This feature is particularly useful when you want to share your internet connection with other Wi-Fi-enabled devices like smartphones, tablets, and other laptops.

Secure and Easy Setup with WPS
Setting up your wireless network security has never been easier. With the built-in Wi-Fi Protected Setup (WPS) button, you can quickly establish a secure WPA2 connection without needing to manually input a password. This feature is faster and more convenient than traditional security setups, ensuring a seamless experience every time.

Portable and Compact Design
The small, mini-sized design of the TL-WN823N makes it easy to carry around and store. Its lightweight form is perfect for users who need to take their wireless adapter on the go, offering a reliable connection wherever they are.

Effortless Installation with TP-LINK Utility
Included in the package is a resource CD containing TP-LINK's optimized configuration utility. The software allows users to complete the installation and setup process in just a few minutes. Its simple interface makes it easy to use, even for those with minimal technical knowledge.

Advanced Security Options
The TL-WN823N supports multiple encryption methods to keep your connection secure. Whether you use WEP, WPA, WPA2, or WPA-PSK/WPA2-PSK, the adapter ensures your wireless network remains protected from unauthorized access.

Compatibility and Support
The adapter supports a wide range of operating systems, including Windows XP, Vista, 7, and beyond. It is also compatible with 802.11b/g/n wireless products, ensuring smooth integration into any network setup. Additional support includes ad-hoc and infrastructure mode, plus Sony PSP X-Link for lag-free gaming on Windows XP.

Compact and Versatile Solution for Wireless Connectivity
The TP-LINK TL-WN823N is an all-in-one solution for anyone looking to improve their wireless internet experience. Whether you're at home or on the go, this adapter delivers the high-speed connection you need without compromising on portability or performance.

Product Highlights:

- 300Mbps wireless speedfor smooth HD video, voice streaming, and online gaming
- Mini-sized designfor easy portability with high performance
- SoftAP modefor converting a wired internet connection into a Wi-Fi hotspot
- One-touch WPS buttonfor fast and secure wireless setup
- Supports 64/128 WEP, WPA/WPA2 security encryption for robust protection
- Compatible with 802.11b/g/n networksfor seamless connectivity
- Works with Windows XP, Vista, and 7(32/64 bit versions)
- Supports ad-hoc and infrastructure modefor flexible network setups
- Bundled utilityfor quick and easy installation

For users who need reliable and fast wireless connectivity with the added bonus of portability, the TP-LINK TL-WN823N is an excellent choice. Its easy-to-use features, secure connections, and compact design make it the ideal solution for home, office, or on-the-go internet access.

FAQ

What is the maximum wireless speed of the TL-WN823N?

The adapter supports speeds up to 300Mbps on 802.11n networks, suitable for HD streaming, gaming, and VoIP.

Does it support wireless security protocols?

Yes, it supports 64/128-bit WEP, WPA, WPA2, and WPA-PSK/WPA2-PSK encryption for secure connections.

Can it create a Wi-Fi hotspot?

Yes, using SoftAP mode, it can convert a wired internet connection into a wireless hotspot for other devices.

Is the TL-WN823N compatible with my Windows laptop?

It is compatible with Windows XP, Vista, and 7 (32/64-bit). Ensure you have the TP-LINK utility installed for setup.

How portable is this adapter?

Very portable. Its mini USB design makes it easy to carry with your laptop or store in small spaces.

Specifications:

© 2025 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (http://www.comx.co.za), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications	
Product Code	TL-WN823N
HARDWARE FEATURES	
Interface	USB 2.0
Button	Wi-Fi Protected Setup (WPS) Button
Dimensions (W X D X H)	1.54 x 0.72 x 0.31 in. (39 x 18.35 x 7.87mm)
Antenna Type	Internal
WIRELESS FEATURES	
Wireless Standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Frequency	2.400~2.4835GHz
Signal Rate	11b: Up to 11Mbps(dynamic)
	11g: Up to 54Mbps(dynamic)
	11n: Up to 300Mbps(dynamic)
EIRP	
Reception Sensitivity	300M: -65dBm@10% PER
	270M: -65dBm@10% PER
	130M: -68dBm@10% PER
	108M: -68dBm@10% PER
	54M: -72dBm@10% PER
	11M: -85dBm@8% PER
	6M: -87dBm@10% PER
	1M:-93dBm@8% PER
Wireless Modes	Soft AP Mode
	Client Mode (support Ad-hoc / Infrastructure network)
Wireless Security	64 / 128-bit WEP
	WPA-PSK / WPA2-PSK
	WPA / WPA2
Modulation Technology	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM

OTHERS	
Certification	CE, FCC, IC, RoHS
Package Contents	Wireless Adapter TL-WN823N
	Resource CD
	Quick Installation Guide
System Requirements	Windows 7(32 / 64bits)
	Windows Vista(32 / 64bits)
	Windows XP(32 / 64bits)
Environment	Operating Temperature: 0 ~40 (32 ~104)
	Storage Temperature: -40 ~70 (-40 ~158)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

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/TL-WN823N-TP-LINK-300Mbps-Mini-Wireless-N-USB-Adapter-p-311160.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-10 17:06:05.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.