tp-link

User Guide

150Mbps Wireless N PCI Express Adapter
TL-WN781ND

Contents

About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide instructs you on quick installation, and this guide provides the product overview and detailed instructions for each steps.

When using this guide, please notice that features of the adapter may vary slightly depending on the model and software version you have. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration only.

Conventions

In this guide, the following conventions are used:

Convention	Description
Teal Italic	Hyperlinks are in teal italic. You can click to redirect to a website or a specific section.
Teal	Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons, etc.
▌ Note:	Ignoring this type of note might result in a malfunction or damage to the device.
◥ Tips:	Indicates important information that helps you make better use of your device.

More Info

- The latest driver can be found at Download Center at *http://www.tp-link.com/support*.
- The Quick Installation Guide (QIG) can be found where you find this guide or inside the package of the product.
- Specifications can be found on the product page at *http://www.tp-link.com*.
- Our Technical Support contact information can be found at the Contact Technical Support page at *http://www.tp-link.com/support*.

Chapter *1*

Get to Know About Your Adapter

This chapter introduces what the adapter can do and shows its appearance.

This chapter contains the following sections:

* *Product Overview*
* *LED Status*

1. 1.   Product Overview

The TP-Link Wireless PCI Express Adapter connects your desktop computer to a Wi-Fi network for lag-free video streaming, online gaming, secure internet surfing and internet calls.

- Compatible with 802.11b/g/n products
- Supports ad-hoc and infrastructure mode
- Maximum speed of up to 150Mbps for 2.4GHz network
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
- Supports Windows and Linux

1. 2.   LED Status

You can check the adapter's working status by following the LED Explanation table.

Status	Indication
Off	The driver has not been installed. The adapter's radio has been disabled.
Flashing Slowly	The driver has been installed but no data is being transmitted or received.
Flashing Quickly	Data is being transmitted or received.

🏷 Tips:

If the LED is off, try these troubleshooting tips:

1. Remove and reinstall the adapter.
2. Refer to *Troubleshooting-T2* to check if the adapter is recognized and enabled. Reinstall the adapter software, if necessary.
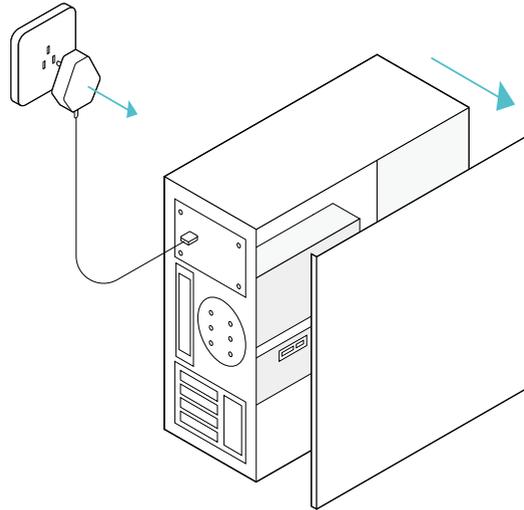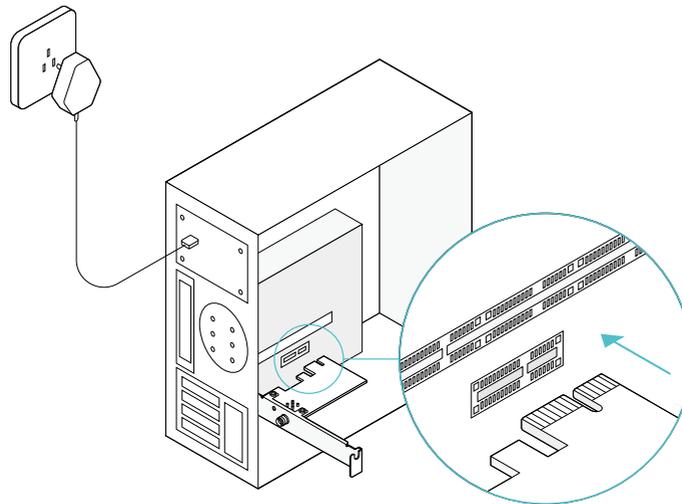
Chapter *2*

Connect to a Computer

This chapter introduces how to install the adapter into your computer.

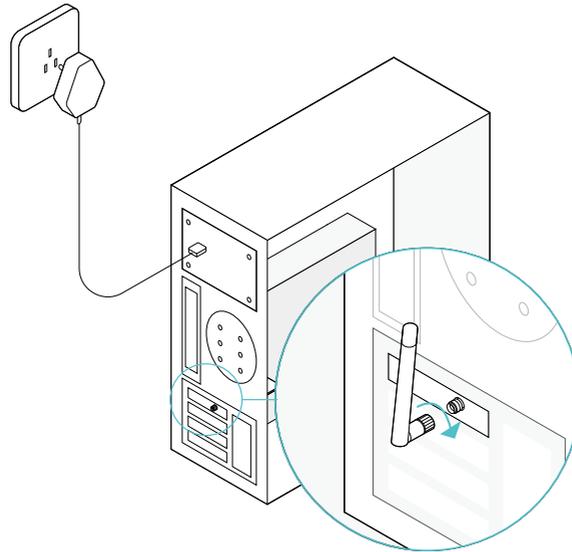Follow the steps below to insert the adapter into your computer:

1. Turn off the computer, unplug the power cable and remove the case panel.

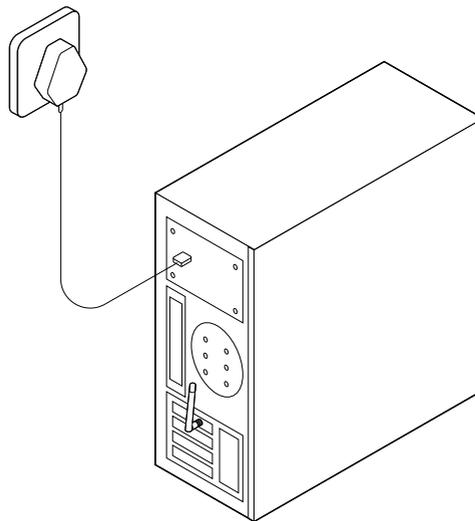2. Locate an available PCI-E slot and carefully insert the adapter.

3. Connect the antenna to the adapter.

4. Replace the case panel, plug in the power cable and turn on your computer.

⫟ **Note:**

If the bracket is not suitable for your computer, detach it from the adapter's board and replace it with the low-profile bracket provided.

After connecting your adapter to the computer, please follow the instructions in the appropriate chapter for your operating system: *Windows*, *Linux*.

Chapter *3*

Windows

This chapter introduces how to install your adapter's driver, use your adapter to join a wireless network, and uninstall the driver in a Windows system. The adapter is equipped with a setup wizard, which can guide you through the installation process.
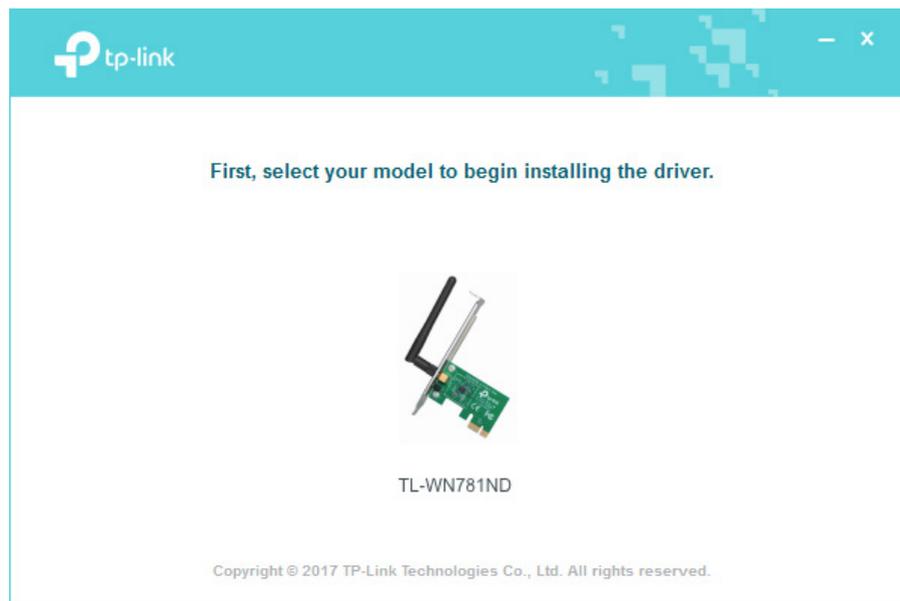
This chapter includes the following sections:

- *Install Driver*
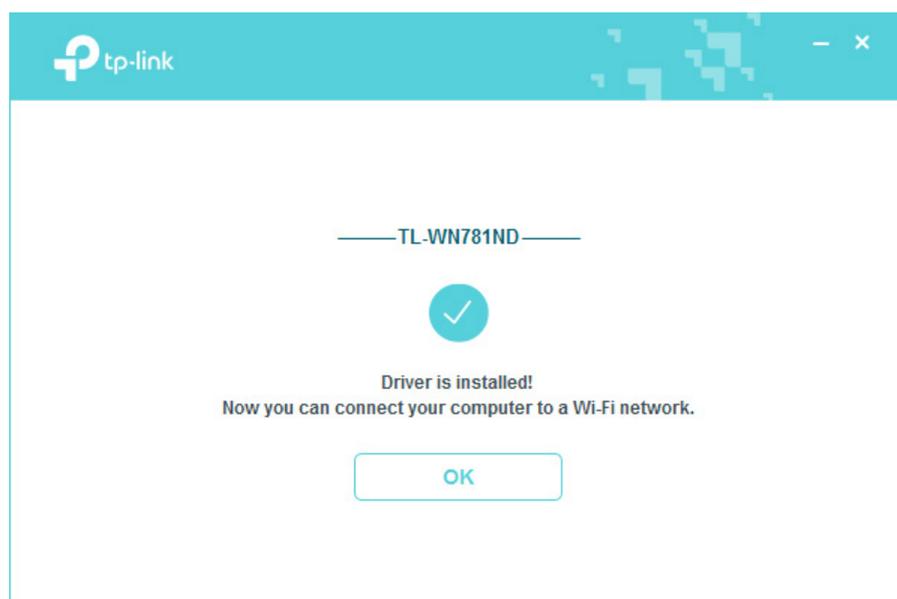- *Join a Wireless Network*
- *Uninstall Driver*

3. 1.   Install Driver

Follow the steps below to set up your adapter:

1.   Insert the resource CD into your CD drive and run the Autorun.exe.
     ◪ **Note:**
     You can also download the driver from the product's Support page at **www.tp-link.com**.

2.   Select TL-WN781ND and follow the instructions to continue the installation.
     ◪ **Note:**
     If you can't install the driver successfully, disable the antivirus software and firewall, then try again.

3.   When the following screen appears, the driver has been installed successfully.
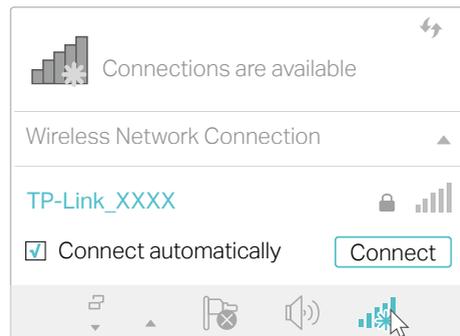
3. 2.   Join a Wireless Network

You can join a wireless network via Windows Wireless Utility.

Follow the instructions below to use your computer system's built-in wireless utility:

1. Click ![icon], ![icon] or ![icon] (Network icon) on the taskbar. Select the Wi-Fi network you want to join, and click Connect. Enter the network password when prompted.

2. When the network icon changes to ![icon] or ![icon] , it indicates a successful network connection.

3. 3.   Uninstall Driver

The software uninstallation steps vary a bit in different systems, please follow the appropriate instructions for your Windows operating system: *Windows 8/8.1/10*, *Windows 7*.

• **Windows 8/8.1/10**

Go to Start > Apps, find the TP-Link application. Click Uninstall TP-Link TL-WN781ND, then follow the on-screen instructions to complete the uninstallation.

• **Windows 7**

Go to Start > All Programs > TP-Link > Uninstall TP-Link TL-WN781ND. Follow the on-screen instructions to complete the uninstallation.

Chapter *4*

Linux

Visit the TP-Link's website at *http://www.tp-link.com*, and go to TL-WN781ND's product page. Then find the compatible version of driver in the support page. Download and install the driver on your computer.
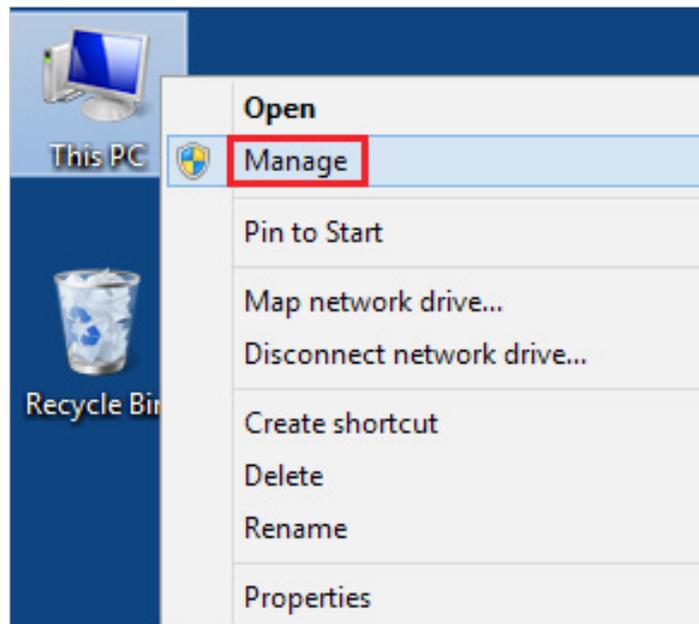
Appendix: Troubleshooting

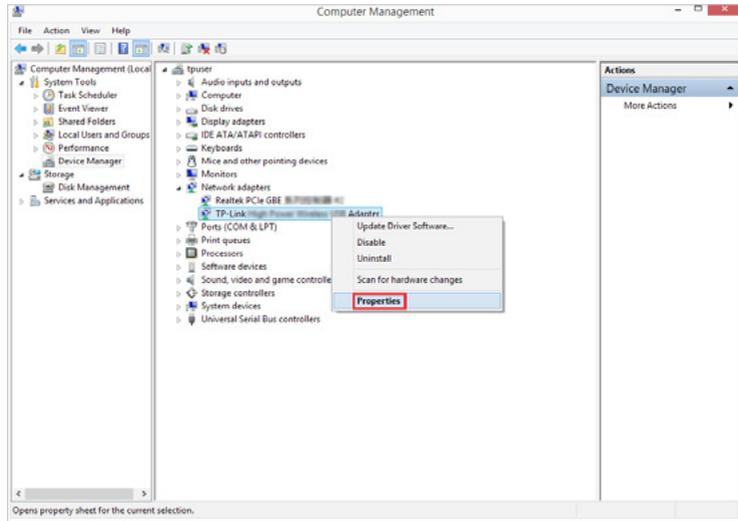## T1. What should I do if the adapter is not detected?

- Make sure the adapter is securely located in the appropriate PCI-E slot.
- Make sure you meet the minimum system requirements for the adapter and that the latest Windows and system updates are installed on your computer.
- Make sure you use the latest driver for your specific adapter. The latest drivers can be found at the product's Support page at *http://www.tp-link.com*.
- Try a different PCI-E slot on the computer.
- Try restarting the computer or try the adapter on a different computer.

T2. How to check if I have installed the driver for my adapter successfully or not?
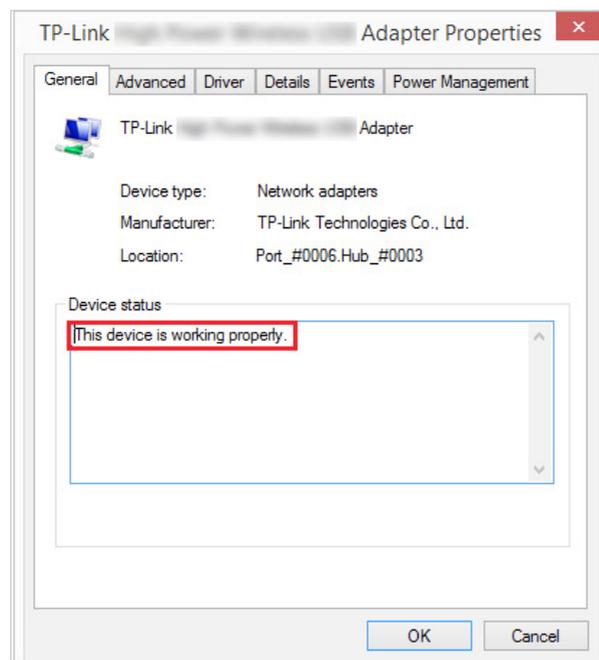
1. On your computer, please right click Computer icon and go to Manage;

2. Open the Device Manager and go to Network adapters, and then find the corresponding TP-Link adapter, right click it and then go to Properties;

3. If you can see "This device is working properly." in the red box, you have already installed the driver successfully.

T3. What should I do if can't connect to the Wi-Fi after installing the driver?

- Refer to *T2* to check if you have installed the driver for your adapter successfully .

- Disable the antivirus software and firewall, then try again.

- Make sure the adapter is securely located in the appropriate PCI-E slot.

- Try a different PCI-E slot on the computer.

- Restart your computer and try again.

- Re-install the driver and try again.

T4. How to find the hardware version of the adapter?

The hardware version printed on the product label on the package or the adapter. There is a character string "Ver:X.Y" (for example, Ver:3.0) in the Serial Number field, and the number X is the hardware version of the adapter.

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FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference.

2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

CE Mark Warning

CE

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY(the maximum transmitted power)

2412MHz—2472MHz(20dBm)

EU declaration of conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC and 2011/65/EU.

The original EU declaration of conformity may be found at *http://www.tp-link.com/en/ce*

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

Korea Warning Statements

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice

注意！

依據 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性或功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信規定作業之無線電信。低功率射頻電機需忍受合法通信或工業、科學以及醫療用電波輻射性電機設備之干擾。

BSMI Notice

安全諮詢及注意事項

•請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。

•清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。

•注意防潮，請勿將水或其他液體潑灑到本產品上。

- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。

- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。

- 請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

<div align="center">限用物質含有情況標示聲明書</div>

產品元件名稱	限用物質及其化學符號					
	鉛 Pb	鎘 Cd	汞 Hg	六價鉻 CrVI	多溴聯苯 PBB	多溴二苯醚 PBDE
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
備考1. "超出0.1 wt %" 及 "超出0.01 wt %" 系指限用物質之百分比含量超出百分比含量基準值。						
備考2. "○"系指該項限用物質之百分比含量未超出百分比含量基準值。						

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

Safety Information

- Keep the device away from water, fire, humidity or hot environments.

- Do not attempt to disassemble, repair, or modify the device

- Do not use damaged charger or USB cable to charge the device.

- Do not use the device where wireless devices are not allowed.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

Symbol	Explanation
	RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.