TP-LINK®

300Mbps Wireless N PCI Adapter
TL-WN851ND

⦿ Features:

- Wireless N speed up to 300Mbps makes it ideal for video streaming, online gaming and Internet calls

- MIMO technology with stronger signal penetration strength, wider wireless coverage, providing better performance and stability

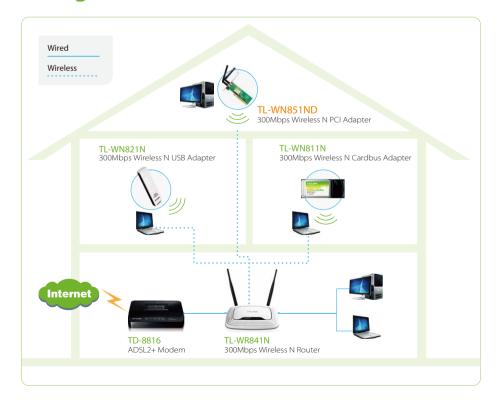- Easily setup a highly secured wireless link with QSS™ (Quick Security Setup)

⦿ Description：

The TL-WN851ND Wireless N PCI Adapter complies with IEEE 802.11n, IEEE 802.11g, and IEEE 802.11b standards. Wireless transmission rates can reach up to 300Mbps. The PCI Card with two external detachable Omni-directional antennas works well with other 11g and 11n protocol wireless products and adopts MIMO technology which can bring a faster, wider, and more stable wireless experience. This product can also simultaneously operate bandwidth intensive applications using a lot of bandwidth which are sensitive to interruption. When using multiple bandwidth intensive applications, the most sensitive of these applications can be given priority over the others to be allocated more bandwidth in order to assure quality.

◉ Specifications:

Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, CSMA/CA with ACK
Interface	32-bit PCI
Wireless Signal Rates With Automatic Fallback	11n: 270/243/216/162/108/81/54/27Mbps
	135/121.5/108/81/54/40.5/27/13.5Mbps
	130/117/104/78/52/39/26/13Mbps
	65/58.5/52/39/26/19.5/13/6.5Mbps
	11g: 54/48/36/24/18/12/9/6M(adaptive)
	11b: 11/5.5/2/1M(adaptive)
Frequency Range	2.4-2.4835GHz
Wireless Transmit Power	20dBm(MAX)
Modulation Type	OFDM/CCK/16-QAM/64-QAM
Receiver Sensitivity	270M: -68dBm@10% PER
	130M: -68dBm@10% PER
	108M: -68dBm@10% PER
	54M: -68dBm@10% PER
	11M: -85dBm@8% PER
	6M: -88dBm@10% PER
	1M: -90dBm@8% PER
Antenna	3dBi detachable Omni directional antenna x 2
Security	64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Certifications	CE, FCC, Wi-Fi
Support Operating System	Windows 7/Vsita/XP/2000
Operating temperature	0℃~40℃ (32°F~104°F)
Storage temperature	-40℃~70℃ (-40°F~158°F)
Relative humidity	10% ~ 90%, non condensation
Storage Humidity	5%~95% non-condensing
Dimensions	5.2 × 4.8 × 0.9 in. (133 × 121 × 22 mm)

◉ Diagram:

Wired
Wireless

TL-WN851ND
300Mbps Wireless N PCI Adapter

TL-WN821N
300Mbps Wireless N USB Adapter

TL-WN811N
300Mbps Wireless N Cardbus Adapter

Internet

TD-8816
ADSL2+ Modem

TL-WR841N
300Mbps Wireless N Router

Package:

- 300Mbps Wireless N PCI Adapter
  TL-WN851ND
- Quick Installation Guide
- Resource CD, including:
  • TL-WN851ND Wireless Client Utility
    and Drivers
  • User Guide
  • Other Helpful Information

Related Products:

- 300Mbps Wireless N Router TL-WR841N
- 300Mbps Wireless N USB Adapter
  TL-WN821N
- ADSL2+ Modem TD-8616

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