## TP-LINK®

# 300Mbps Wireless N Access Point

## TL-WA801ND

#### • Features:

- Wireless N speed up to 300Mbps makes it ideal for bandwidth consuming or interruption sensitive applications like video streaming, online gaming and VoIP calling
- · Backward compatible with 802.11b/g products
- MIMO<sup>™</sup> technology provides robust high-bandwidth wireless Tx/Rx capability at further range
- Supports multiple operation modes, including Access Point, Multi-SSID, Client, Repeater and Bridge
- Easily setup an encrypted secure connection at a push of the WPS button
- WPA/WPA2 encryptions provide your network with active defense against security threats
- Supports Wi-Fi Multimedia (WMM) assures the quality of VoIP and multimedia streaming
- Up to 30 meters (100 feet) of flexible deployment with included Passive Power over Ethernet Injector
- Up to 4 SSIDs and VLAN support, it allows networks administrator to segregate different services or applications to different designated users
- External detachable antennas allow for better alignment and stronger antenna upgrades
- Wall mounted available, also can be placed horizontally on a table or desk



### • Description:

The TP-LINK Wireless N Access Point TL-WA801ND is designed to establish or expand a scalable high-speed wireless N network or to connect multiple Ethernet enabled devices such as game consoles, digital media adapters, printers, or network attached storage devices to a wireless network. The APs support a host of different functions that makes your wireless networking experience more flexible than ever before. Now, you can enjoy a better Internet experience when downloading, gaming, video streaming or with any other application that you may wish to use.

## • Specifications:

Interface One 10/100M Ethernet Port (RJ45) Support Passive PoE Power On/Off Button WPS Button Reset Button External Power Supply 9VDC / 0.6A Wireless Standards   EEE 802.11n, IEEE 802.11g, IEEE 802.11b Dimensions (Wx Dx H) 7.1× 4.9× 1.4 in. (181× 125× 36mm) Antenna Type	HARDWARE FEATURES	
Support Passive PoE Power On/Off Button Reset Button  External Power Supply 9VDC / 0.6A Wireless Standards IEEE 802.11n, IEEE 802.11b Dimensions (Wx Dx H) 7.1x 4.9x 1.4 in. (181x 125x 36mm) Antenna Type 2*5dBi Detachable Omni Directional (RP-SMA) Wireless FeATURES Frequency 2.4*2.4835GHz 11n: Up to 300Mbps (dynamic) Signal Rate 11g: Up to 54Mbps (dynamic) 11g: Up to 68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 6M:		One 10/100M Ethernet Port (RJ45)
Button Reset Button Reset Button Reset Button Reset Button Reset Button  Wireless Standards IEEE 802.11n, IEEE 802.11g, IEEE 802.11b Dimensions (Wx Dx H) 7.1x 4.9x 1.4 in. (181x 125x 36mm) Antenna Type 2*5dBi Detachable Omni Directional (RP-SMA)  WIRELESS FEATURES  Frequency 2.4-2.4835GHz 11n: Up to 300Mbps(dynamic) Signal Rate 11g: Up to 54Mbps(dynamic) 11b: Up to 11Mbps(dynamic) 11b: Up to 11Mbps(dynamic) EIRP CE: <20dBm FCC: <30dBm 270M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 111M: -85dBm@8% PER 6M: -88dBm@10% PER 111M: -85dBm@8% PER 6M: -88dBm@10% PER 111M: -95dBm@8% PER 6M: -88dBm@10% PER 11M: 90dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -90dBm@8 PER 6M: -90dBm@80 PER 6M: -90dBm@8 PER 6M: -90dBm@8 PER 6M: -90dBm@80 PER 6M: -90dBm@80 PER 6M	Interface	Support Passive PoE
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External Power Supply Wireless Standards IEEE 802.11n, IEEE 802.11g, IEEE 802.11b  Dimensions (Wx Dx H) 7.1x 4.9x 1.4 in. (181x 125x 36mm)  Antenna Type 2*5dBi Detachable Omni Directional (RP-SMA)  WIRELESS FEATURES  Frequency 2.4-2.4835GHz 11n: Up to 300Mbps(dynamic) Signal Rate 11g: Up to 54Mbps(dynamic) 11b: Up to 11Mbps(dynamic) 11b: Up to 11Mbps(dynamic) EIRP CE: <20dBm FCC: <30dBm 270M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 1108: -68dBm@10% PER 1108: -68dBm@10% PER 11M: -98dBm@8% PER 6M: -88dBm@10% PER 11M: -98dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@1		WPS Button
Wireless Standards     IEEE 802.11n, IEEE 802.11g, IEEE 802.11b       Dimensions (Wx Dx H)     7.1× 4.9× 1.4 in. (181× 125× 36mm)       Antenna Type     2*5dBi Detachable Omni Directional (RP-SMA)       WIRELESS FEATURES       Frequency     2.4-2.4835GHz       11n: Up to 300Mbps(dynamic)       Signal Rate     11g: Up to 54Mbps(dynamic)       EIRP     CE: <20dBm FCC: <30dBm		Reset Button
Dimensions (Wx Dx H) Antenna Type 2*5dBi Detachable Omni Directional (RP-SMA)  WIRELESS FEATURES  Frequency 2.4-2.4835GHz 11n: Up to 300Mbps(dynamic) Signal Rate 11g: Up to 54Mbps(dynamic) 11b: Up to 11Mbps(dynamic) EIRP CE: <20dBm FCC: <30dBm 270M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -95dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 11M: 590dBm@8% PER 6M: -88dBm@10% PER 11M: 590dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 6M: -8dBm@10% PER 1M: -90dBm@8% PER 6M: -88dBm@10%	External Power Supply	9VDC / 0.6A
Antenna Type 2*5dBi Detachable Omni Directional (RP-SMA)  WIRELESS FEATURES  Frequency 2.4-2.4835GHz 11n: Up to 300Mbps(dynamic)  Signal Rate 11g: Up to 54Mbps(dynamic)  11b: Up to 11Mbps(dynamic)  EIRP CE: <20dBm FCC: <30dBm  270M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 10%	Wireless Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Frequency 2.4-2.4835GHz  11n: Up to 300Mbps(dynamic)  11g: Up to 54Mbps(dynamic)  11b: Up to 11Mbps(dynamic)  EIRP CE: <20dBm FCC: <30dBm  270M: -68dBm@10% PER  130M: -68dBm@10% PER  108M: -68dBm@10% PER  11M: -85dBm@8% PER  6M: -88dBm@10% PER  11M: -90dBm@8% PER  6M: -88dBm@10% PER  1M: -90dBm@8% PER  Wireless Modes  Wireless Functions  Wireless Security  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  WMM  Management  SNMP	Dimensions (Wx Dx H)	7.1×4.9×1.4 in. (181×125×36mm)
Frequency 2.4-2.4835GHz  11n: Up to 300Mbps(dynamic)  11g: Up to 54Mbps(dynamic)  11b: Up to 11Mbps(dynamic)  EIRP CE: <20dBm FCC: <30dBm  270M: -68dBm@10% PER  130M: -68dBm@10% PER  108M: -68dBm@10% PER  11M: -85dBm@8% PER  6M: -88dBm@10% PER  11M: -90dBm@8% PER  6M: -88dBm@10% PER  1M: -90dBm@8% PER  Wireless Modes  Wireless Functions  Wireless Security  ØA/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  WMM  Management  SMMP	Antenna Type	2*5dBi Detachable Omni Directional (RP-SMA)
Signal Rate  11n: Up to 300Mbps(dynamic) 11g: Up to 54Mbps(dynamic) 11b: Up to 11Mbps(dynamic)  EIRP  CE: <20dBm FCC: <30dBm 270M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 108M: -68dBm@10% PER 108M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 6M: -88dBm@10% PER 11M: -85dBm@8 PER 6M: -88dBm@10% PER 11M: -95dBm@8% PER 6M: -88dBm@10% PER 11M: -95dBm@8 PER 6M: -88dBm@10% PER 11M: -90dBm@8 PER 6M: -8edBm@10% PER 11M: -90dBm@8 PER 6M: -90dBm@8 PER 6M	WIRELESS FEATURES	
Signal Rate 11g: Up to 54Mbps(dynamic) 11b: Up to 11Mbps(dynamic)  EIRP CE: <20dBm FCC: <30dBm  270M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 108M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 1M: -90dBm@8% PER  AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode Enable/Disable Wireless Radio  Wireless Functions WDS Bridge MAC Address Filter  Wireless Security 64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK Quality of Service WMM  Management SSIMBME SSIMB	Frequency	2.4-2.4835GHz
EIRP  CE: <20dBm FCC: <30dBm  270M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 108M: -68dBm@10% PER 11M: -85dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 4P Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Wireless Functions  Wireless Functions  Wireless Functions  Wos Bridge MAC Address Filter  Wireless Security  Quality of Service  WMM  Management  SNMP	Signal Rate	11n: Up to 300Mbps(dynamic)
EIRP  CE: <20dBm FCC: <30dBm  270M: -68dBm@10% PER 130M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 108M: -68dBm@10% PER 11M: -85dBm@8 PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Wireless Functions  Wireless Functions  WDS Bridge MAC Address Filter  Wireless Security  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  WMM  Management  SNMP		11g: Up to 54Mbps(dynamic)
270M: -68dBm@10% PER 130M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 111M: -85dBm@8% PER 6M: -88dBm@10% PER 111M: -95dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -95dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -95dBm@8% PER 6M: -88dBm@10% PER 1M: -95dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 6M: -88dBm@10% PER 1M: -95dBm@8% PER 6M: -8dBm@10% PER 1M: -95dBm@8% PER 6M: -90dBm@8% PER 6M: -90dBm@8 6M: -90d		11b: Up to 11Mbps(dynamic)
Reception Sensitivity  130M: -68dBm@10% PER 108M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 1M: -90dBm@8% PER AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode Repeater Mode Wireless Functions  Wireless Functions  Wireless Security  04/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK Quality of Service  WMM  SNMP	EIRP	CE: <20dBm FCC: <30dBm
Reception Sensitivity  54M: -68dBm@10% PER 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Uireless Functions  Wireless Functions  Wireless Security  44/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  WMM  Management  SNMP		270M: -68dBm@10% PER
Reception Sensitivity  54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 11M: -90dBm@8% PER 1M: -90dBm@8% PER  AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Wireless Functions  Wireless Security  Wireless Security  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  WMM  Management  SNMP	Reception Sensitivity	130M: -68dBm@10% PER
11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER  AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode Enable/Disable Wireless Radio Wireless Functions Wireless Security Oddress Filter Wireless Security Oddress Filter Wimagement SNMP SNMP		108M: -68dBm@10% PER
6M: -88dBm@10% PER 1M: -90dBm@8% PER  AP Mode Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Enable/Disable Wireless Radio Wireless Functions Wireless Security Odd (4/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK WMM Management SNMP		54M: -68dBm@10% PER
1M: -90dBm@8% PER  AP Mode  Multi-SSID Mode  Client Mode  Repeater Mode (WDS/Universal))  Bridge with AP Mode  Enable/Disable Wireless Radio  Wireless Functions  Wireless Security  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  MMM  Management  SNMP		11M: -85dBm@8% PER
Wireless Modes  Wireless Modes  Wireless Functions  Wireless Security  Quality of Service  MAC Address Functions  AP Mode  Multi-SSID Mode  Client Mode  Repeater Mode (WDS/Universal)  Bridge with AP Mode  Enable/Disable Wireless Radio  WDS Bridge  MAC Address Filter  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  WMM  SNMP		6M: -88dBm@10% PER
Wireless Modes  Multi-SSID Mode Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Enable/Disable Wireless Radio Wireless Functions  WDS Bridge MAC Address Filter  Wireless Security Ouality of Service WMM  Management  SNMP		1M: -90dBm@8% PER
Wireless Modes  Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Enable/Disable Wireless Radio WDS Bridge MAC Address Filter  Wireless Security Quality of Service WMM  Management  Client Mode Repeater Mode (WDS/Universal) Bridge with AP Mode  Enable/Disable Wireless Radio WDS Bridge MAC Address Filter  WMS Bridge MAC Address Filter  SNMP		AP Mode
Wireless Modes  Repeater Mode (WDS/Universal)  Bridge with AP Mode  Enable/Disable Wireless Radio  WDS Bridge  MAC Address Filter  Wireless Security  Quality of Service  WMM  SNMP	Wireless Modes	Multi-SSID Mode
Repeater Mode (WDS/Universal) Bridge with AP Mode  Enable/Disable Wireless Radio  WDS Bridge MAC Address Filter  Wireless Security 64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service WMM  SNMP		Client Mode
Wireless Functions  Wos Bridge MAC Address Filter  Wireless Security  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  WMM  SNMP		Repeater Mode (WDS/Universal)
Wireless Functions  WDS Bridge MAC Address Filter  Wireless Security  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service  WMM  SNMP		Bridge with AP Mode
MAC Address Filter  Wireless Security 64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  Quality of Service WMM  Management SNMP	Wireless Functions	Enable/Disable Wireless Radio
Wireless Security  Quality of Service  Management  64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK  WMM  SNMP		WDS Bridge
Quality of Service WMM Management SNMP		MAC Address Filter
Management SNMP	Wireless Security	64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
	Quality of Service	WMM
Advanced Functions Up to 30 meters Passive PoE is supported	Management	SNMP
	Advanced Functions	Up to 30 meters Passive PoE is supported

OTHERS	
Certification	CE, FCC, RoHS
System Poquiroments	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7,
System Requirements	MAC OS, NetWare, UNIX or Linux.
	Operating Temperature: 0 ℃ ~40 ℃ (32°F~104°F)
Environment	Storage Temperature: -40 C ~70 C (-40°F~158°F)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

### • Diagram:



#### Package:

- 300 Mbps Wireless Access Point TL-WA801ND
- 2 Detachable Omni Directional Antennas
- Power Supply Unit
- Passive PoE Power Injector
- Resource CD
- Quick Installation Guide

#### **Related Products:**

- 300Mbps High Gain Wireless USB Adapter TL-WN822N
- 300Mbps Wireless N USB Adapter TL-WN821N
- 300Mbps Wireless N PCI Adapter TL-WN851ND
- ADSL2+ Modem Router TD-8816