

# DSL-N16

## 300Mbps Wi-Fi VDSL/ADSL Modem Router

- Ethernet WAN allows to use as an DSL modem router or stand-alone wireless router
- Compatible with VDSL2, ADSL2/2+, ADSL, fiber and cable services for complete future-proofing
- Fast Ethernet ports for the reliable internet performance
- VDSL/ADSL WAN multi service for IPTV support
- PPTP VPN server and PPTP/L2TP VPN client support
- Four independent SSIDs for flexible and secure Wi-Fi network configuration



The ASUS DSL-N16 ADSL/VDSL wireless modem router is stylish, truly multi-functional, and has reliable performance. It can connect to the internet using either the Ethernet or DSL WAN (Wide Area Network) ports, allowing customers to use it as either a modem router or a standalone wireless router. Compatible with ADSL2/2+, ADSL, VDSL2, fiber and cable services.

The easy-to-use ASUSWRT graphical user interface unlocks the power of DSL-N16 giving robust control to optimize your network for you. 30-second setup and easy traffic management means even network newbies can enjoy its sophisticated features, while power users will love its IPv6 support, multiple wireless SSIDs and encrypted VPN access.

### Total flexibility with DSL and Ethernet Internet connections

DSL-N16 has two ways to connect to the Internet, with a choice of DSL and software Ethernet WAN. You can use DSL-N16 as a DSL modem Wi-Fi router or a standalone Wi-Fi router according to your needs. And with the ability to switch instantly between connections if one fails (and switch back again when it's fixed) or combine multiple connections for more bandwidth, it's perfect for reliable, always-on internet connectivity.

#### Scenario 2 : Ethernet WAN



#### Scenario 1 : VDSL/ADSL WAN



## ASUS Router App Control Your Network Anywhere.

ASUS Router App is built from the ground-up to be both intuitive and robust, allowing you to setup your router, manage network traffic, diagnose connection issues and even update firmware, all without needing to boot up a PC.



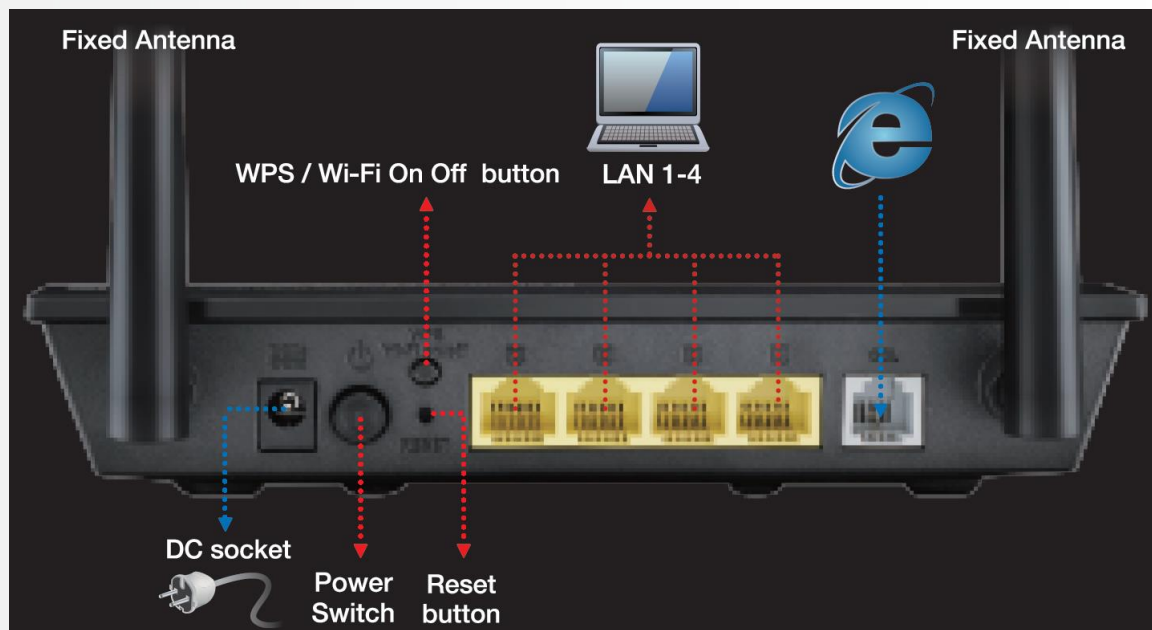
## What's Inside the Box

- DSL-N16 VDSL/ADSL Wireless Modem Router
- RJ-45 cable
- DSL/phone cable (RJ-11 cable)
- Power adapter
- Warranty card
- Quick start guide

## Specifications

- Wireless Type: 802.11 n/g/a/b
- Wireless Speed: Up to 300Mbps
- Wireless Frequency: Single band (2.4GHz)
- Wired Connectivity: 4x 10/100Mbps LAN Ethernet ports, 1x VDSL/ADSL RJ11 port

## Connectivity



## Specifications

Network Standard	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3, IEEE 802.3u, IEEE 802.11i, IEEE 802.11e, IPv4, IPv6
Product Segment	N300 complete networking : 300 Mbps
Wi-Fi Data Rate	802.11b : 1, 2, 5.5, 11 Mbps 802.11g : 6,9,12,18,24,36,48,54 Mbps 802.11n : up to 300 Mbps
xDSL Data Rate	<ul style="list-style-type: none"> <li>• VDSL2/ADSL2+/ADSL2/ADSL multimode</li> <li>• Support Annex A/B/I/J/L/M</li> <li>• Support all VDSL2 profiles -8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a</li> <li>• VDSL2 interface compliance with ITU-T G.993.2</li> <li>• ITU-T G.992.1 (G.dmt), Annex A, and B Compliant</li> <li>• ITU-T G.992.2 (G.lite), Annex A, and B Compliant</li> <li>• ANSI T1.413 Compliant</li> <li>• ITU-T G.992.3 (ADSL2) Compliant, Annex A, B, L, and M</li> <li>• ITU-T G.992.5 (ADSL2+) Compliant, Supporting Annex A, B, and M</li> <li>• ITU-T G.993.2 Compliant, Annex A, B</li> <li>• ITU-T G.993.5 (Vectoring)</li> <li>• ITU-T G.998.4 (G.inp) Improved impulse noise protection</li> <li>• ATM and PTM (dual-priority)</li> </ul> <p>VDSL2 Upstream: 150Mbps, Downstream: 200Mbps ADSL2+ Upstream: 3.3Mbps, Downstream: 24Mbps ADSL2 Upstream: 3.5Mbps, Downstream: 12Mbps</p>
Features	<ul style="list-style-type: none"> <li>• DHCP server, firewall/NAT, DynDNS</li> <li>• VPN server(PPTP)</li> <li>• VPN client(PPTP/L2TP)</li> <li>• Dual WAN Fail over/Fail back/Load balance</li> <li>• Traffic monitor/Quality of Service(QoS)</li> <li>• DSL spectrum</li> <li>• IPTV</li> <li>• DSL feedback mechanism</li> <li>• Save/resotre configuration file</li> </ul>
Antenna	External antenna x 2
LED Indicator	Power, Internet, LAN x 4, xDSL, 2.4 GHz Wi-Fi
Button	WPS Button, Reset Button, Power Button, Wireless on/off Button
Ports	1 x RJ11 for xDSL 4 x RJ45 10/100 BaseT for LAN
Operating Frequency	2.4GHz
Operation Channel	13 Europe (ETSI)
Memory	16MB FLASH,64MB DDR2 RAM
Output Power	b mode : 20.5 dBm g mode : 17 dBm n mode : 17 dBm
Security	64-bit WEP, 128-bit WEP, WPA2-PSK, WPA-PSK
Management	<p>Web-based GUI configuration</p> <p>Firmware upgraded, configuration data uploaded and downloaded via Web-based GUI</p> <p>UPnP IGD 1.0</p> <p>Auto VPI/VCI detection</p> <p>Configuration backup and restore</p> <p>Diagnostics</p> <p>Log &amp; Trace function</p>

VPN Support	IPSec Pass-Through
	PPTP Pass-Through
	L2TP Pass-Through
	PPTP server
	PPTP client
Power Adapter	L2TP client
	AC Input : 110 ~240 V(50~60HZ)
	DC Output : 12 V/0.5 A
Certificates	Power Consumption : 6 W Max.
	CE
Dimensions	19 x 23.5 x 3.5 ~ cm (WxDxH) (Without Bezel)
Weight	225 g (Device Only)
Package Content	• DSL-N16 Wireless VDSL/ADSL Modem Router
	• Network cable
	• Phone cable
	• Power adapter
	• Quick start guide