

802.11g Wireless ADSL 2/2+ Router



The PLANET 802.11g Wireless ADSL 2/2+ Router, ADW-4401, provides office and residential users the ideal solution for sharing the high-speed ADSL 2/2+ broadband Internet connection on a 54Mbps wireless network and a 10/100Mbps Fast Ethernet backbone. It supports downstream transmission rates of up to 24Mbps and upstream transmission rates of up to 3.5Mbps. The product supports PPPoA (RFC 2364 - PPP over ATM Adaptation Layer 5), PPP over Ethernet (RFC 2516), and RFC 1483 encapsulation over ATM (MER, bridged or routed) to establish a connection with ISP.

Via the user-friendly management interface, the ADW-4401 can be managed by workstations using standard web browsers. The ADW-4401 provides advanced features including DHCP Server, NAT, Virtual Server, DMZ, Access Control, IP filter, VPN Pass-Through, UPnP and etc.

The ADW-4401 also serves as an Internet firewall, protecting your network from being accessed by external users. It provides the natural firewall function (Network Address Translation, NAT) as well. To strengthen the network security, the ADW-4401 can be configured to monitor and filter all incoming and outgoing IPs and to block internal users who accesses to the Internet.

KEY FEATURES

INTERNET ACCESS FEATURES

- **Shared Internet Access**
All users on the LAN or WLAN can access the Internet through the ADW-4401 using only a single external IP Address. The local (invalid) IP Addresses are hidden from external sources. This process is called NAT (Network Address Translation).
- **Built-in ADSL 2/2+ Modem**
The ADW-4401 provides ADSL 2/2+ modem and supports all common ADSL connections.
- **PPPoE, PPPoA, Direct Connection Support**
Various WAN connections are supported by ADW-4401.
- **Auto-Detection of Internet Connection Method**
In most situations, the ADW-4401 can detect your ADSL and Internet connection to determine the connection method used by your ISP.
- **Fixed or Dynamic IP Address**
On the Internet (WAN port) connection, the ADW-4401 supports both Dynamic IP Address (IP Address is allocated on connection) and Fixed IP Address.

ADVANCED INTERNET FUNCTIONS

- **Virtual Servers**
This feature allows Internet users to access Internet servers on your LAN. The required setup is quick and easy.
- **DMZ Support**
The ADW-4401 can translate public IP addresses to private IP address to allow unrestricted 2-Way communication with Servers or individual users on the Internet. This provides the most flexibility to run programs, which could be incompatible in NAT environment.
- **Firewall**
Supports simple firewall with NAT technology and provides option for blocking access from Internet, like Web, FTP, Telnet, SNMP, and ICMP. It also supports MAC and IP filtering.
- **Universal Plug and Play (UPnP)**
UPnP allows automatic discovery and configuration of the Broadband Router. UPnP is supported by Windows ME, XP, or later.
- **VPN Pass through Support**
PCs with VPN (Virtual Private Networking) software are transparently supported - no configuration is required.
- **RIP1/2 Routing**
It supports RIPv1/2 routing protocol for routing capability.
- **Simple Network Management Protocol (SNMP)**
It is an easy way to remotely manage the router via SNMP.

WIRELESS FEATURES

- **Standards Compliant**
The ADW-4401 complies with the IEEE802.11g (DSSS) specifications for Wireless LANs. Maximum of 54Mbps are supported.
- **Supports both 802.11b and 802.11g Wireless Stations**
The 802.11g standard provides backward compatibility with the 802.11b standard, so both 802.11b and 802.11g Wireless stations can be used simultaneously.
- **WEP support**
Supports for WEP (Wired Equivalent Privacy) is included. Key sizes of 64 Bit and 128 Bit are supported.
- **WPA support**
WPA_TKIP and WPA2_AES encryption are supported.
- **Wireless MAC Access Control**
The Wireless Access Control feature can check the MAC address (hardware address) of Wireless stations to ensure that only trusted Wireless Stations can access your LAN.
- **WPS Push Button Control**
The ADW-4401 supports WPS (Wi-Fi Protected Setup) to easy connect wireless network without configuring the security.

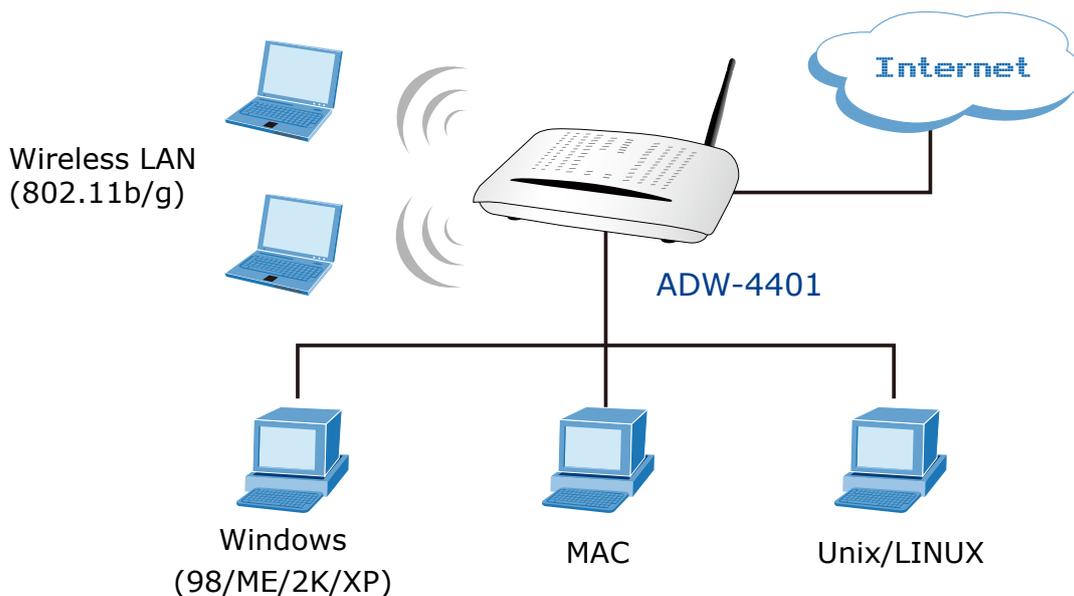
LAN FEATURES

- **4-Port Switch**
The ADW-4401 incorporates a 4-Port 10/100Base-TX switching hub, making it easy to create or extend your LAN.
- **DHCP Server Support**
Dynamic Host Configuration Protocol provides a dynamic IP address to PCs and other devices upon request. The ADW-4401 can act as a DHCP Server for devices on your local LAN and WLAN.

APPLICATIONS

Internet Connection with Firewall Capability

The ADW-4401 is a perfect solution to connect a small group of PCs to a very High-Speed broadband Internet connection where Multi-users can access the Internet simultaneously. Compliant with ADSL 2/2+ standards for worldwide deployment, it supports downstream rates up to 24 Mbps and upstream rates up to 3.5 Mbps. The ADW-4401 also incorporates a 4-Port 10/100Base-TX switching hub and 802.11g wireless interface, made to easily create or extend your LAN. The built-in firewall can protect your LAN and prevent the attacks from the internet.



SPECIFICATION

Product	802.11g Wireless ADSL 2/2+ Router	
Model	ADW-4401A / ADW-4401B	
Hardware		
Standard	Compliant with ADSL Standard - Full-rate ANSI T1.413 Issue 2 - G.dmt (ITU G.992.1) - G.lite (ITU G.992.2) - G.hs,Multimode (ITU G.994.1) Capable of ADSL2 Standard - G.dmt.bis (ITU G.992.3, G.992.4) Capable of ADSL2+ Standard - G.dmt.bisplus (ITU G.992.5) - Reach Extended ADSL (RE ADSL)	
Protocol	RFC 2364 - PPP over ATM (LLC/VCMUX) RFC 2516 - PPP over Ethernet (LLC/VCMUX) RFC 1483 - Classic IP over ATM (LLC/VCMUX) RFC 2684 - Bridged IP over ATM (LLC/VCMUX) RFC 2684 - Routed IP over ATM (LLC/VCMUX)	
AAL and ATM Support	Support up to 8PVCs ATM Forum UNI 3.1/4.0 PVC VC and LLC Multiplexing Integrated ATM AAL5 support(UBR,CBR,VBR,VBR-rt, and VBR-nrt) 255 VPI plus 65535 VCI address range OAM F4 and F5 Segment end-to-end loop-back, AIS, and RDI OAM cells.	
Ports	LAN	4 x 10Base-T/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X
	Wireless	1 x 802.11b/g wireless access point
	WAN	1 x RJ-11, Auto-Negotiation
LED Indicators	PWR, Link, Data, LAN 1-4, WLAN, WPS	
Button	1 x Reset button 1 x Power button 1 x WPS/WLAN button	
Wireless Standard	IEEE802.11b, IEEE802.11g WLAN,	
Frequency	2.4 to 2.4835GHz (Industrial Scientific Medical Band)	
Channels	Maximum 14 Channels, depending on regulatory authorities	
Antenna Gain	2.0dBi ± 0.7dBi	
Transmit Power	11b: 16.5dBm ± 1.5dBm 11g: 14.5dBm ± 1.5dBm	
Sensitivity	802.11b: -85dBm 802.11g: -72dBm	
Data Rate	Up to 54 Mbps	
WEP	64-bit, 128-bit	
WPA_TKIP / WPA2_AES	256-bit	
Software		
Maximum Concurrent Sessions	1024	
Protocol / Feature	NAT supports PAT and multimedia applications Static routing and RIPv1/2 IP Policy Routing IP QoS supports Transparent Bridging SNTP DNS relay IGMP Proxy and Snooping IGMP Multicast DMZ and Virtual Server	

Security	Built-in NAT Firewall PPP over PAP(Password Authentication Protocol, RFC1334) PPP over CHAP(Challenge Authentication Protocol, RFC1994) Access Control List (ACL) IP-Based Packet filtering MAC filtering URL Blocking Password protection for system management
VPN	VPN Pass-Through
Management	Web-based configuration Embedded Telnet server for remote and local management Firmware upgraded and configuration data upload and download via WEB SNMP v2 MIB supported Support DHCP server/client/relay Built-in Diagnostic tool and IP Ping TR-069
Environment Specification	
Dimension (W x D x H)	176 x 124 x 35mm
Power	12V DC, 1.0A
Temperature:	Operating temperature: 0~50 Degree C
Humidity	Storage temperature: -10~70 Degree C Humidity: 10 ~ 95% non-condensing
Emission	CE, FCC

ORDERING INFORMATION

ADW-4401A	802.11g Wireless ADSL 2/2+ Router, Annex A
ADW-4401B	802.11g Wireless ADSL 2/2+ Router, Annex B