ADSL 2/2+ 4-Port Router

The PLANET ADSL 2/2+ 4-Port Router, ADE-4400, provides office and residential users the ideal solution for sharing the high-speed ADSL 2/2+ broadband Internet connection on four Ethernet ports. It can provide downstream transmission rates up to 24Mbps and upstream transmission rates 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 ADE-4400 can be managed by workstations using standard web browsers. Furthermore, the ADE-4400 provides DHCP server, NAT, Virtual Server, DMZ, Access Control, IP Filter, VPN Pass through, and UPnP capabilities. For further IP compatibility, it supports IPv6 as well.

The ADE-4400 also serves as an Internet firewall, protecting your network from being accessed by outside unauthorized users. It provides the natural firewall function (Network Address Translation, NAT) and all incoming and outgoing IPs are monitored and filtered by this product as well. In addition, it can be configured to block internal users who are accessing to the Internet.

KEY FEATURES

INTERNET ACCESS FEATURES

- **Shared Internet Access**
  All users on the LAN can access the Internet through the ADE-4400 using only a single external IP Address. The local (invalid) IP Address is hidden from external sources. This process is called NAT (Network Address Translation).

- **Built-in ADSL 2/2+ Modem**
  The ADE-4400 provides ADSL 2/2+ modem and supports all common ADSL connections.

- **PPPoE, PPPoA, Direct Connection Support**
  Various WAN connections are supported by ADE-4400.

- **Auto-detection of Internet Connection Method**
  In most situations, the ADE-4400 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 ADE-4400 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 ADE-4400 can translate public IP addresses into 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 the 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 Routers. UPnP is supported by Windows ME, XP, Vista/ Win 7, Mac or later.

- **VPN Pass through Support**
  PCs with VPN (Virtual Private Networking) software are transparently supported and no configuration is required.

- **RIP Routing**
  It supports RIPv1/2 routing protocol for routing capability.

- **Simple Network Management Protocol (SNMP)**
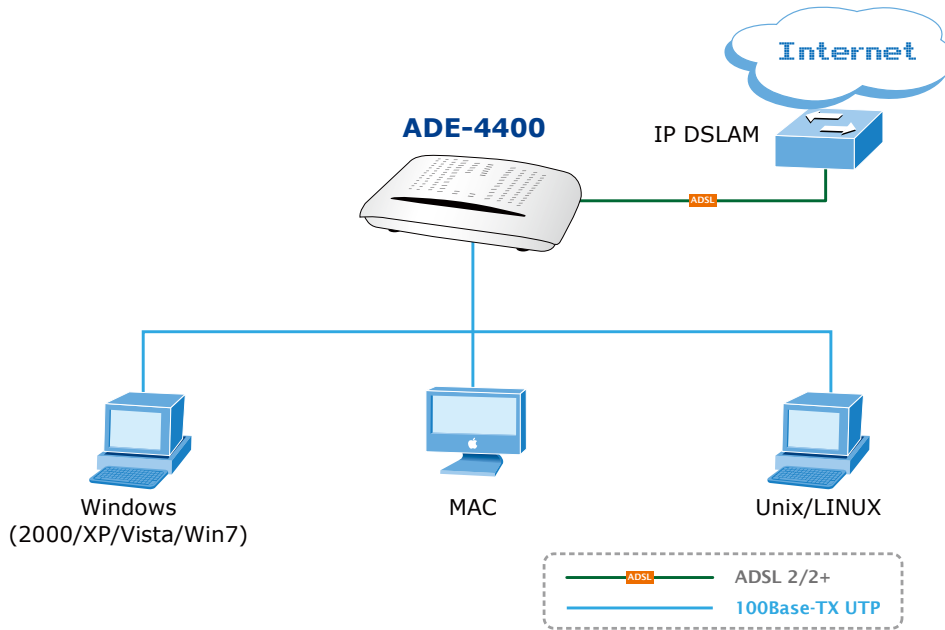 It is an easy way to remotely manage the routers via SNMP.

LAN FEATURES

- **4-Port Switch**
  The ADE-4400 incorporates a 4-Port 10/100Base-TX switching hub, made to easily create or extend your LAN.

- **DHCP Server Support**
  Dynamic **H**ost **C**onfiguration **P**rotocol provides a dynamic IP address to PCs and other devices upon request. The ADE-4400 can act as a DHCP Server for devices on your local LAN and WLAN.

- **IPv6**
  ADE-4400 implements the new IP version for further compatibility of network environment.

Data Sheet

APPLICATIONS

Internet Connection with Firewall

The ADE-4400 is a perfect solution to connect a small group of PCs to a very High-Speed broadband Internet connection. Compliant with ADSL 2/2+ standards, it supports downstream rates up to 24 Mbps and upstream rates up to 3.5Mbps.

The ADE-4400 also incorporates a 4-Port 10/100Base-TX switching hub, made to easily create or extend your LAN. The built-in firewall can protect your LAN and prevent the attacks from the internet.

Internet

ADE-4400   IP DSLAM

ADSL

Windows
(2000/XP/Vista/Win7)

MAC

Unix/LINUX

ADSL — ADSL 2/2+
100Base-TX UTP

SPECIFICATION

Product	ADSL 2/2+ 4-Port Router
Model	ADE-4400
Hardware Specification	
Standard	Compliant with ADSL Standard - Full-rate ANSI T1.413 Issue 2 - G.dmt (ITU G.992.1) ADSL 2/2+ 4-Port Router - G.lite (ITU G.992.2) - G.hs (ITU G.994.1) Capable of ADSL2 Standard - G.dmt.bis (ITU G.992.3) Capable of ADSL2+ Standard - G.dmt.bisplus (ITU G.992.5)
Protocol	Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483) Bridged or routed Ethernet encapsulation VC and LLC based multiplexing PPP over Ethernet (PPPoE) PPP over ATM (RFC 2364)
AAL and ATM Support	Supports up to 8PVCs VC and LLC Multiplexing ATM Adaptation Layer Type 5 (AAL5) Integrated ATM AAL5 support (UBR,CBR,VBR,VBR-rt, and VBR-nrt) OAM F4/F5

Ports	LAN	4 (10Base-T/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
	WAN	1 (RJ-11, Auto-Negotiation)
LED Indicators		PWR, Data, Link, LAN 1-4
Button		1 x reset button, 1 x power button
Software		
Protocols/Features		NAT supports PAT and multimedia applications Static routing and RIPv1/2 IP Policy Routing Transparent Bridging SNTP DNS relay and IGMP proxy 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 IP-Based Packet filtering MAC filtering Password protection for system management
VPN		VPN Pass through
Management		Web-Bsed configuration Embedded Telnet server for remote and local management Firmware upgraded and configuration data upload and download via WEB SNMP v2 MIB supported Supports DHCP server/client/relay Built-in Diagnostic tool and IP Ping TR-069
Environment Specifications		
Dimension (W x D x H)		280 x 190 x 68 mm
Power		12V DC, 0.5A
Operating Environment		Operating temperature: 0 ~ 50 Degree C Storage temperature: -20 ~ 70 Degree C Humidity: 10 ~ 90% non-condensing
Emission		FCC, CE

ORDERING INFORMATION

ADE-4400A	ADSL 2/2+ 4-Port Router, Annex A

C-ADE-4400v5