

## ADSL 2/2+ VoIP Router



The PLANET ADSL 2/2+ VoIP Router - IAD-300 provides ISP or residential home users the ideal solution for sharing a high-speed ADSL 2/2+ broadband Internet connection on 4-Port 10/100Base-TX Fast Ethernet backbone and able to make the VoIP calls through Internet. The IAD-300 can support up to 24Mbps downstream transmission rate and up to 3.5Mbps upstream transmission rate. It also supports PPPoA (RFC 2364 - PPP over ATM Adaptation Layer 5), PPP over Ethernet (RFC 2516), RFC 1483 encapsulation over ATM (MER, bridged or routed), and IPoA (RFC1577) to establish a connection with ISP.

Via the user-friendly management interface, the IAD-300 can be managed by workstations running standard web browsers. Furthermore, the IAD-300 provides DHCP Server, Virtual Server, DMZ, Access Control, IP Filter, VPN Pass-Through, DDNS, Printer Server and UPnP capability.

The IAD-300 serves as an Internet firewall, protecting your network from being accessed by outside users. Besides, compliant with the SIP (RFC3261) protocol, the IAD-300 helps users to make high quality VoIP calls in a cost-effective way, either through Internet or the local phone system.

### KEY FEATURES

#### INTERNET ACCESS FEATURES

- **Shared Internet Access** All users on the LAN can access the Internet through the IAD-300 using only a single external IP Address. The local (private) IP Addresses are hidden from external sources. This process is called NAT (Network Address Translation).
- **Built-in ADSL 2/2+ Modem** The IAD-300 provides ADSL 2/2+ modem, and supports all common ADSL connections.
- **PPPoE, PPPoA, Direct Connection Support** Various WAN connections are supported by IAD-300.
- **Auto-detection of Internet Connection Method** In most situations, the IAD-300 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 IAD-300 supports both Dynamic IP Address (IP Address is allocated on connection) and Fixed IP Address.

#### VOIP FEATURES

- **SIP 2.0 Support** IAD-300 supports SIP2.0 for the compatibility of most popular VoIP telephone server provider and SIP proxy gateway.
- **Most SIP Proxy Server support** IAD-300 compatible with known popular Internet SIP Proxy provider like FWD and Infonex.
- **Lifeline Support** In case of unexpected Internet errors or power failures, you still can make the regular PSTN call with Lifeline support.
- **Two FXS Interface** IAD-300 supports two FSX interface that can connect to any traditional analog telephone for Internet call through the Internet Telephony Service Provider. It also allows the users to make local PSTN phone call directly.

#### 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** IAD-300 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.
- **Dynamic DNS Support** DDNS, when used with the Virtual Servers feature, allows users to connect to Servers on your LAN using a Domain Name, even if you have a dynamic IP address which changes every time you connect.

- **FAX Support** IAD-300 supports T.38 and G.711 Fax standards.
- **QoS** IAD-300 builds Quality of Service in the device for excellent voice quality.

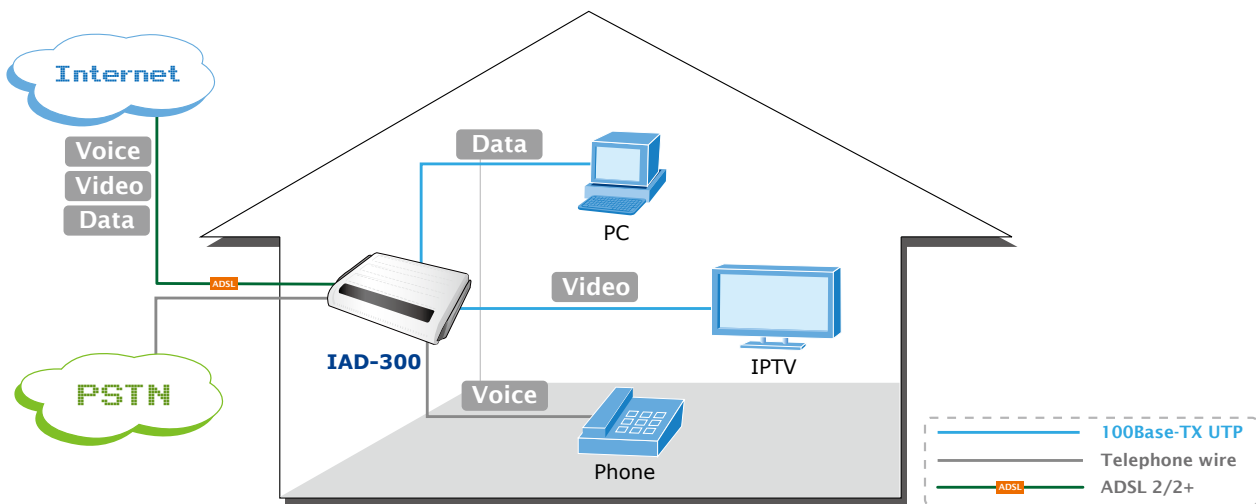
**LAN FEATURES**

- **4-Port Switch** The IAD-300 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 IAD-300 can act as a DHCP Server for devices on your local LAN.

**APPLICATIONS**

*Internet Connection with Firewall, Voice, Video and Data*

The PLANET IAD-300 is providing Internet access to all your LAN users via the built-in ADSL 2/2+ modem. The IAD-300 supports firewall to prevent the attacks from Internet. In addition, the IAD-300 also allows you to make phone calls over the Internet, watch IPTV, and Internet surfing. It provides great cost saving for long distance or oversea phone calls.



**SPECIFICATION**

<b>Product</b>	<b>ADSL 2/2+ VoIP Router</b>
<b>Model</b>	<b>IAD-300</b>
<b>Hardware</b>	
<b>Ports</b>	<b>WAN</b> 1 x RJ-11 Port (ADSL 2/2+)
	<b>LAN</b> 4 x RJ-45 Port (10Base-T/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
	<b>Voice</b> 2 x RJ-11 Port (FXS x 2)
	<b>USB</b> 2 x USB 2.0 (USB1 for Storage Device, USB2 for Printer Server)
<b>Standard</b>	Compliant with ADSL Standard
	- Full-rate ANSI T1.413 Issue 2
	- G.dmt (ITU G.992.1)
	- G.lite (ITU G.992.2)
<b>Protocol</b>	- G.hs,Multimode (ITU G.994.1)
	Capable of ADSL2 Standard
	- G.dmt.bis (ITU G.992.3)
	Capable of ADSL2+ Standard
<b>AAL and ATM Support</b>	- G.dmt.bisplus (ITU G.992.5)
	- Reach Extended ADSL (RE ADSL)
	RFC 2364 - PPP over ATM (LLC / VCMUX)
	RFC 2516 - PPP over Ethernet (LLC / VCMUX)
<b>LED Indicators</b>	RFC 1483 - Classic IP over ATM (LLC / VCMUX)
	RFC 2684 - Bridged IP over ATM (LLC / VCMUX)
	RFC 2684 - Routed IP over ATM (LLC / VCMUX)
	Support up to 16 PVCs
<b>Button</b>	ATM Forum UNI 3.1/4.0 PVC
	VC and LLC Multiplexing
	Integrated ATM AAL5 support (UBR,CBR,VBR,VBR-rt, and VBR-nrt)
	0~255 VPI plus 32~65535 VCI address range
<b>Software</b>	OAM F4 and F5 Segment end-to-end loop-back, AIS, and RDI OAM cells.
	Power, Link, Data, LAN 1-4, USB1, USB2, VoIP1, VoIP2
	1 x reset button, 1 x power button
	Maximum Concurrent Sessions 4096
<b>Protocol / Feature</b>	NAT supports PAT and multimedia applications
	Virtual Server (32 Entries Max.)
	DMZ
	Static routing (32 Entries Max.) and RIPv1/2
<b>Security</b>	DNS relay and IGMP proxy
	Printer Server
	UPnP, DDNS, SNTP
	Built-in SPI Firewall
<b>VoIP</b>	PPP over PAP (Password Authentication Protocol, RFC1334)
	PPP over CHAP (Challenge Authentication Protocol, RFC1994)
	IP-Based Packet filtering (80 Entries Max.)
	MAC filtering
<b>VPN</b>	Access Control
	Password protection for system management
	SIP 2.0 (RFC3261) Compliant
	Voice codec: G.711 (A-law, $\mu$ -law), G.723, G.726, G.729
	PSTN Lifeline support
	Voice Activity Detection (VAD), CNG
	Echo Cancellation, Silence Suppression, DTMF relay
	Caller ID, Call Hold, Caller name, DND (Do Not Disturb)
	Call Waiting, Call Forward, Call Transfer, 3-way conference call
	Anonymous Call, Redial, Call Return
	T.38 FAX Relay
	VPN Pass-Through

<b>Management</b>	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 TR-069 Compliant
<b>Environment Specification</b>	
<b>Dimension (W x D x H)</b>	225.5 x 169 x 36.5 mm
<b>Power</b>	12V DC, 2A
<b>Temperature/ Humidity</b>	Operating temperature: 0 ~ 50 Degree C Storage temperature: -20 ~ 70 Degree C Humidity: 10 ~ 95% non-condensing
<b>Emission</b>	FCC, CE

## ORDERING INFORMATION

<b>IAD-300</b>	ADSL 2/2+ VoIP Router, (2 x FXS, 4 LAN-Port, Annex A)
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