

VIP-450

## 4-Port SIP Internet Telephony Gateway

To meet the next generation Internet telephony service demands, PLANET VIP-450 delivers next-generation platform for voice services and applications, VIP-450 is reliable, efficient and TOC-saving; widely interoperable; and scalable and manageable solution for your VoIP network. VIP-450 is an entirely new kind of voice delivering superlative functionality and stellar audio quality.

PLANET VIP series are designed for comfort, ease-of-use with a sophisticated, and satisfaction from customers, VIP-450 not only inherits traditions of quality voice communications and real-time fax data over IP networks, but VIP-450 also eliminates the human resource VoIP network deployment. With optimized SIP architecture, PLANET VIP-450 is the ideal choices for P2P voice chat, ITSP cost-saving solution, but also provide network-converting feature to translate the packet network into traditional PBX system.

With built-in PPPoE/DHCP/DDNS clients, up to 4 concurrent connections on modular in VIP-450, voice communications can be established from anywhere around the world. PLANET VIP-450 comes with intuitive user-friendly, yet powerful management interface (web/telnet/console), that can dramatically reduce IT personnel resource, and complete VoIP deployment in a short time, plus remote management capability, VoIP administrators can monitor machine/network status, or proceed maintenance/trouble-shooting service via Internet browser or telnet session.

### ▶▶ KEY FEATURE

- ❑ **Standards compliant & Surpassing voice quality**  
PLANET VIP-450 is SIP version 2 compliant; more than this, VIP-450 provides Call blocking, Call forwarding, Call waiting, Call Transfer features bringing rich telephony communication features without changing user's that are interoperable with major SIP gateways/agent/proxy servers. Retaining excellent traditions in PLANET VoIP products, VIP-450 prioritizes voice packets using IP precedence, and combine state-of-the-art technology of voice packet handling, including echo, noise reduction, voice reconstruction and redundancy to provide customers toll quality VoIP communication.
- ❑ **VoIP, FoIP and Network conversion**  
Via configurable voice codec: G.723, G.729ab and FAX: T.30, T.38 , VIP-450 supports for multiple algorithms to meet different VoIP application demands. VIP-450 supports converting telephony protocols (SS7, Analog (FXS/FXO)) into packet switching network between calling and called voice gateways or PBX system, in a heterogeneous signal-switching environment.
- ❑ **Domain name call & DDNS supports**  
Either IP or URL addressing, VIP-450 is able to find, and communicate with destination SIP gateway/agents. Meanwhile, DDNS service is very useful to those VoIP gateways deployed in a dynamic IP environment. Collaborate connection agents (PPPoE, or DHCP clients), built-in DDNS client in VIP-450 can help those who don't have static IP address to map dynamic IP address to an easy-to-remember URL, and this will allows other 3rd party SIP compatible voice gateways/agents to allocate position of VIP much easier than ever. (To establish voice communication via domain name, please make sure the other party gateway/agents supports domain name call.)
- ❑ **SIP registration, SIP authentication**  
VIP-450 is able to perform SIP registration, authentication, to interact with major SIP gateway/IP Phone on the market.

▶▶ SPECIFICATION

<b>Product</b>		<b>4-Port SIP Internet Telephony Gateway</b>
<b>Model</b>		VIP-450
<b>Ports</b>	LAN	1 (10Base-T/100Base-TX, Auto-Negotiation)
	WAN	4 (2 x FXO, 2 x FXS)
<b>SIP Specification</b>		
<b>Call Signaling Control</b>		SIP version 2.0/ SIP over UDP (IETF RFC2543)
<b>Voice CODEC support</b>		G.723.1A ACELP/M-MLQ (5.3, 6.3kbps), G.729AB CS-ACELP (8kbps)
<b>Fax support</b>		T.30, T.38
<b>Simultaneous connection</b>		Up to 4 channels voice/fax
<b>Voice processing</b>		Voice Active Detection, DTMF detection/ generation, G.168 echo cancellation (16mSec.), Comfort noise generation, Call progress detection, Gain Control
<b>Internet sharing</b>		
<b>Protocol</b>		TCP/IP, HTTP, DNS, RTP, RTCP, SDP
<b>Management</b>		RS-232 Console /Telnet, HTTP
<b>LED Indicators</b>		System: 2, PWR, CPU LAN: 4, ACT, 100, LNK, COL Voice: 4 In-Use/Ringing
<b>Power Requirement</b>		12V DC, 2.0A.
<b>Dimension (L x W x H mm)</b>		134 x 240 X 45 (Metal Case)
<b>Environmental</b>		Temperature: 0~50 degree C (operating) Humidity: up to 90% (non-condensing)
<b>Emission</b>		EMI: FCC part 15, CE / PTT: FCC part 68

▶▶ ORDERING INFORMATION

- ▶ **VIP-450**                      4-port SIP Internet Telephony Gateway (2 FXS, 2 FXO)



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