E1/T1 Internet Telephony Trunk Gateway

To give more flexibility, functionalities, and calling capacity in VoIP deployment, the PLANET VIP-2100/2400 E1/T1 trunk gateways present an easy, cost-effective solution to amplify the power of Voice over IP (VoIP). The VIP-2000 series trunk gateways support the packet telephony-based voice interfaces and signaling protocols on the market, they are capable of SIP/H.323 traffic conversion, feature-rich telephony supplementary service, call routing, and IP QoS support in one solution.

PLANET VIP-2100/2400 are not only a VoIP trunk gateway but also a universal VoIP gateway. The VIP-2100 processes the incoming calls in between H.323, SIP and PSTN, with intelligent call routing mechanism, the VIP-2100/2400 are able to route calls between the PBX, the PSTN, and the VoIP network, to achieve the best combination of cost and quality. PLANET VIP-2000 series trunk gateways can be implemented in the complicated, inhomogeneous telephony service environment, such as SIP + H.323, SIP+H.323 and PSTN enabled network. More than these, VIP-2100/2400 support PSTN and VoIP (H.323/SIP) side prepaid and postpaid service, this provides a built-in practical internal AAA service for small deployment and also an external RADIUS interface for ITSP installation. PLANET VIP-2000 series trunk gateways not only increase more revenues, but also protect the investment in the VoIP service.

KEY FEATURE

- Concurrent SIP/H.323 voice communications

- ITU-T H.323 v3 and H.450 supplementary service compliance

- SIP RFC 2543/3261 standard compliance

- SIP supplemental service - on Hold, Call Transfer support

- Built-in calling destination and prefix routing for SIP and H.323 P2P calls

- Mixed SIP, Gatekeeper and P2P voice calls

- SIP outbound proxy, redirect and register server support

- SIP/H.323 T.38 fax relay

- VoIP to VoIP call conversion - SIP to H.323, SIP to SIP, H.323 to H.323

- Intelligent PSTN call routing and in-trunk hunting

- External RADIUS Authentication, Authorization and Accounting

- Behind NAT friendly for SIP calls

- Inbound and out of band DTMF transmission

- Built-in IVR & call-flow controller for PSTN / VoIP calls

- CDR (Call Detail Record) support

- Built-in internal user authentication for various VoIP applications

SPECIFICATION

Product	Internet Telephony PBX System	
Model	VIP-2100	VIP-2400
Hardware		
Ports LAN	2 x 10/100Base-T Ethernet ports	
Voice	1 x E1/T1	4 x E1/T1
Protocol and standards		
Call Signaling Control	SIP 2.0 RFC2543/(RFC3261, ITUT H.323 v3 and H.450 compliance	
Voice codec	G.711A/µ-law, G.723.1 (5.3k/6.3k), G.729A	
Fax support	Automatic voice/FAX detection	
	H.323/SIP T.38 fax relay	
	ECM Support	
	T.38 during fast connect	
VoIP features		
Voice processing	VAD (Voice Activity Detection)	
	CNG (Comfort Noise Generation)	
	G.168 echo cancellation	
	Configurable audio payload size	
	Adaptive Jitter Buffer	
	Silence suppression	
	Gain control	
Voice traffic conversion	H.323 to H.323 Call	
	H.323 to PSTN Call	
	H.323 to SIP Call	
	PSTN to H.323 Call	
	PSTN to PSTN Call	
	PSTN to SIP Call	
	SIP to H.323 Call	
	SIP to PSTN Call	
	SIP to SIP Call	
	VoIP to VoIP RTP un-Routed	
	VoIP to VoIP RTP Routed	
DTMF Transmission	Transparent	
	H.245 signal/Alphanumeric	
	H.323 Q.931 UUI	
	RFC 2833	
	SIP INFO	
IVR/Call-flow controller	Built-in IVR system	
	Web-based GUI Drag and Drop interface	
	Full control of call behavior	
	PSTN/VoIP IVR functions	
	Support time duration and balance play back	
	Powerful call information branch	
	Collected information validation	
Management		
Interface	Console port, TELNET and Web Browser (HTTP/HTTPs)	
	Front panel LCD display	
	User account management	
	Real time monitor	
	Password Security	
	SNMP v2 Trap support	
AAA (Authentication/Authorization/Accounting)	Built-in AAA mechanism, and external RADIUS AAA support	
Environmental	Temperature: 0~50 degree C (operating)	
Environmental	Humidity: 5 to 95% (non-condensing)	
Emission	EMI: FCC part 15, CE/PTT: FCC part 68	

ORDERING INFORMATION

VIP-2100	1-Port E1/T1 Trunk Gateway (1 x E1/T1)	
VIP-2400	4-Port E1/T1 Trunk Gateway (4 x E1/T1)	

Data Sheet

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