

H.323 / SIP Caller ID VoIP Gateway



With years of Internet telephony and router manufacturing experience, PLANET proudly introduces the newest member of the PLANET VoIP gateway family to the market: the 4-Port H.323 / SIP Caller ID VoIP Gateway, VIP-480FD.

The VIP-480FD contains Caller ID function and is compliant with both SIP and H.323 standard. It is a residential gateway that provides a total solution of integrating voice-data network and the Public Switched Telephone Network (PSTN). The VIP-480FD provides not only high quality voice communications but also secure, reliable Internet sharing capabilities for daily voice and Internet communications.

With advanced DSP processor (TI) and cutting edge VoIP technology applied, the VIP-480FD is capable of handling both SIP and the H.323 calls. Providing up to 4 registrations to the SIP proxy or H.323 Gatekeeper, the VIP-480FD is able to make calls to either H.323 or SIP voice communication environment as well. Besides, the VIP-480FD is equipped with four port Ethernet switch and NAT router function that enables users enjoy high quality voice calls and secure Internet access without interfering with routine activities.

The VIP-480FD is the ideal choice for P2P voice chat and ITSP cost-saving solution with its optimized H.323 / SIP architecture. The VIP-480FD inherits traditions of quality voice communications and real-time fax data over IP networks, which eliminates the need of extra VoIP network deployment. Moreover, it provides network-converting feature to translate the packet network into traditional PBX system.

With built-in PPPoE / DHCP / DDNS clients and up to 4 concurrent connections offered by the VIP-480FD, voice communications over IP networks can be established anywhere around the world. The VIP-480FD supplies intuitive user-friendly yet powerful Web / Telnet management interface that brings users remote management capability and dramatically

interface that brings users remote management capability and dramatically reduce IT personnel effort. VoIP network administrators can monitor the machine / network status and process maintenance / trouble-shooting service via Internet browser or telnet session. Especially, it provides voice channels status display and optimized packet voice streaming over managed and public (Internet) IP networks.

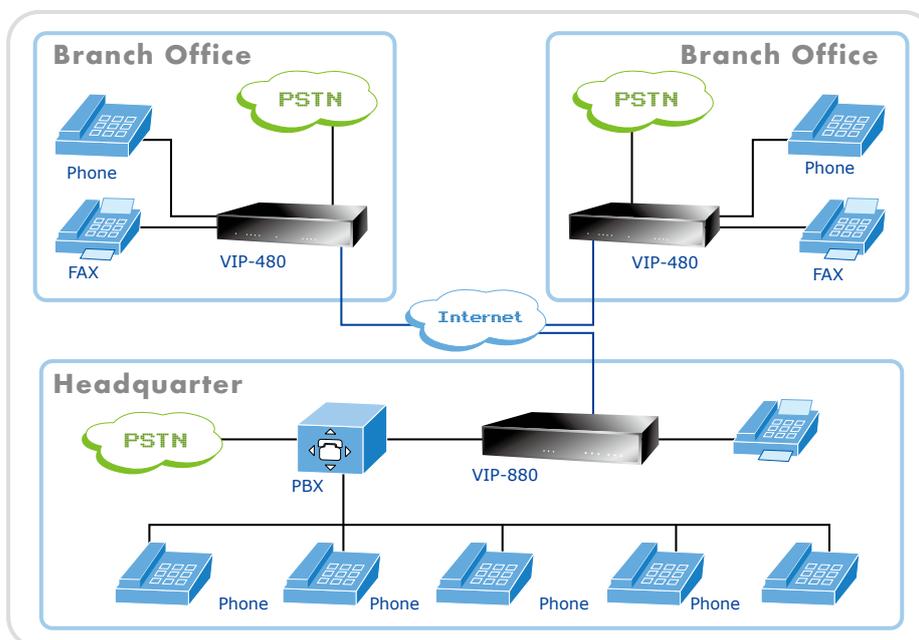
KEY FEATURES

NETWORK FEATURES

- **Network Address Translation (NAT)**
NAT allows multiple PCs to connect to an Internet Service Provider (ISP) using a single Internet access account.
- **Point-to-Point Protocol over Ethernet (PPPoE) Client Support:**
For DSL users, this device has a built-in PPPoE client to establish a DSL connection with the ISP. There is no need to install an extra PPPoE driver on your computers.
- **Smart QoS**
The smart QoS provides stable voice quality over Internet. This device would start suppressing throughput automatically when VoIP call proceed and keep full speed access when there is no VoIP traffic.
- **DDNS (Dynamic Domain Name Server)**
DDNS is a service that maps Internet domain names to IP addresses. It allows you to provide Internet users with a domain name (instead of an IP Address) to access your Virtual Servers.
- **Virtual Server**
Remote users can access services such as the Web or FTP at your local site via public IP addresses which can be automatically redirected to local servers configured with private IP addresses.

VOIP FEATURES

- H.323 / SIP dual mode communication
- SIP 2.0 (RFC3261), H.323v4 compliant
- **Caller ID Detection: FXO port supports DTMF and FSK Caller ID detection**
- Peer-to-Peer / H.323 GK / SIP proxy calls
- Voice codec support: G.711(A-law / u-law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps)
- Voice processing: Voice Active Detection, DTMF detection, G.165/G.168 compliant echo canceller, silence detection, FAX (T.38 / T.30) Mode Option
- Built in adaptive buffer that helps to smooth out the variations in delay (jitter) for voice traffic
- Voice channels status display: This function displays each port status such as on-hook, off-hook, calling number, called number, talk duration, codec and etc.

APPLICATIONS

VIP-480 series multi-office voice communication
SPECIFICATION

Product	4-Port H.323 / SIP Caller ID VoIP Gateway
Model	VIP-480FD
Camera Specification	
WAN	1 x 10/100Mbps RJ-45 port
LAN	4 x 10/100Mbps RJ-45 port
Voice	4 x RJ-11 connection (FXO with Caller ID)
Protocols and Standard	
Standard	H.323 v2/v3/v4 and SIP (RFC 3261), SDP (RFC 2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833), Outbound Proxy Support
Voice codec	G.711(A-law /u-law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps)
Fax support	T.30, T.38
Voice Standard	Voice activity detection (VAD) Comfort noise generation (CNG) G.165/G.168 Echo cancellation Dynamic Jitter Buffer
Protocols	SIP 2.0 (RFC-3261), H.323, TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, NAT, DHCP, PPPoE, DNS
Advanced Function	Virtual Server, Smart QoS, IP TOS (IP Precedence) / DiffServ, Built-in NAT router function
Network and Configuration	
Access Mode	Static IP, PPPoE, DHCP
Management	Web, Telnet
LED Indications	System: PWR WAN: 1, LAN/ACT LAN: 4, LNK/ACT Voice 4, In-Use/Ringing
Dimension (W x D x H)	260 x 135 x 35 mm
Operating Environment	0~40 Degree C, 0~95% humidity
Power Requirement	12V DC
EMC/EMI	CE, FCC Class B

ORDERING INFORMATION

VIP-480FD	H.323 / SIP Caller ID VoIP Gateway (1 x WAN, 4 x LAN, 4 x FXO)
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