SIP IP Phone with PSTN support

For a cost-effective and high performance VoIP communications today, PLANET introduces the VIP-254NT, the SIP IP Phone with PSTN support, to fulfill the VoIP deployment needs from ITSP, enterprises to home. The built-in PSTN interface provides user more convenience between IP Phone and PSTN call selections.
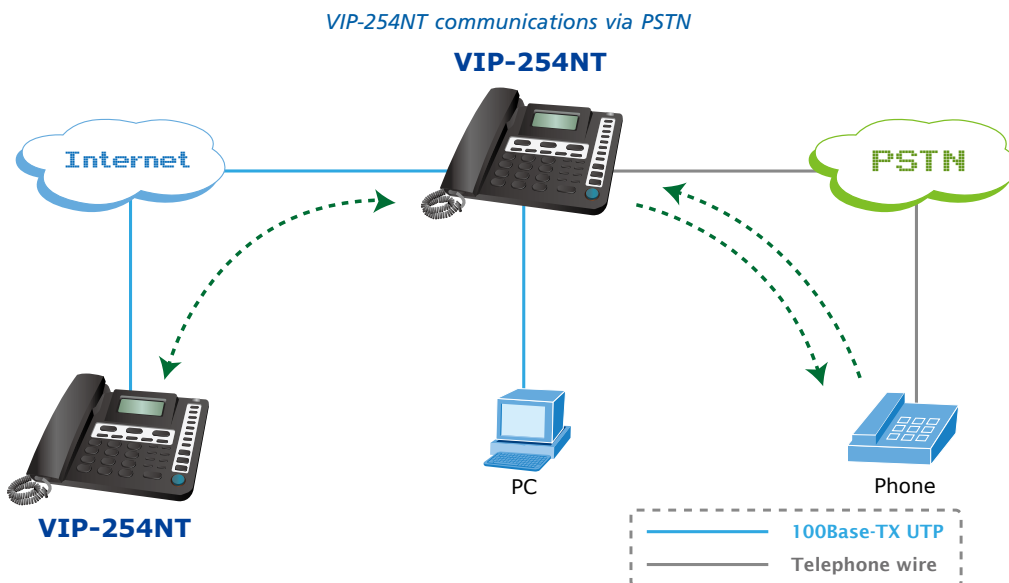
The VIP-254NT features high-quality speakerphone technology and provide various voice services including speaker on / off, call hold, call transfer and 3-Way conference with user-friendly speed dial button design. It also has additional features such as built-in PPPoE / DHCP clients, password-protected machine management, LCD menu display, last number redial, incoming message indicator, and user-intuitive web administration system.
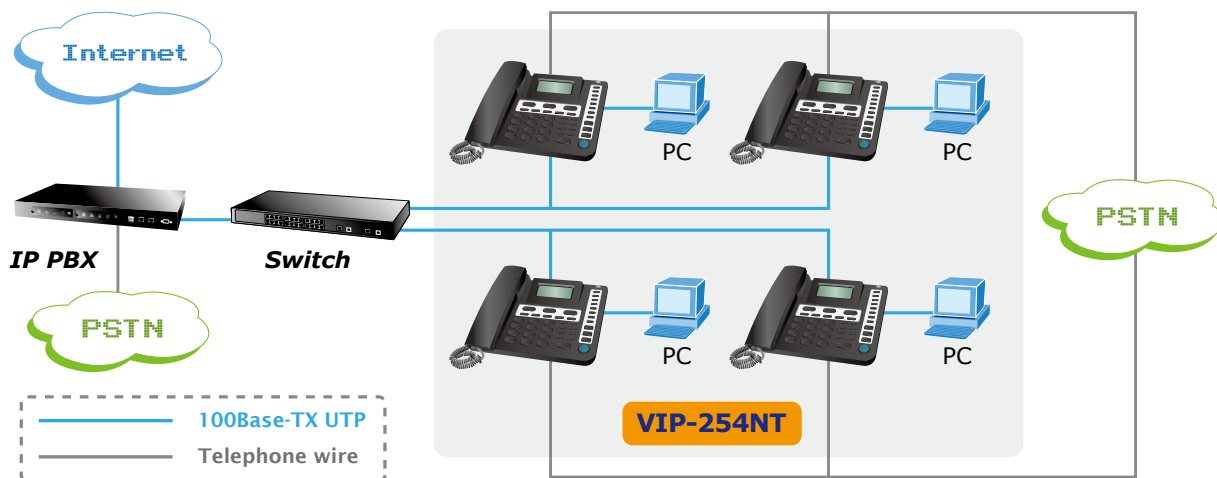
The VIP-254NT brings the benefits of VoIP technologies to your daily life. It is the SIP IP phone featuring self-contained, service-integrated, intelligent phone functions, and powerful voice processing. The VIP-254NT can effortlessly deliver toll voice quality equivalent to the regular SIP protocol connections by utilizing cutting-edge Quality of Service, echo cancellation, comfort noise generation (CNG) and voice compensation technology. Meanwhile, the dual Ethernet interfaces on the IP Phone allow users to install it in an existing network without interfering with desktop PC network connections. The VIP-254NT is an ideal solution for office / home use as well as for Internet Telephony Service Provider (ITSP).

KEY FEATURES

- SIP 2.0 (RFC3261) compliant
- G.711, G.723.1 and G.729 voice codec
- Supports STUN, Outbound Proxy
- Selective PSTN / VoIP voice communications
- PSTN / VoIP incoming call alerting
- Up to 5 Proxy server registrations
- 3-Way Conference / Caller ID

- Built-in phone book / Speed dial
- Call Hold / Waiting / Transfer / Forward
- VAD / CNG / AEC / PLC / AJB /AGC
- Incoming / Outgoing / Miss Call record
- QoS / NAT / DHCP Server
- Web / Keypad management

APPLICATIONS

VIP-254NT communications via PSTN

Data Sheet

Enterprise IP PBX Deployment with VIP-254NT IP Phone

SPECIFICATION

Product	SIP IP Phone with PSTN support
Model	VIP-254NT
Hardware	
WAN	1 x 10/100Mbps RJ-45 port
LAN	1 x 10/100Mbps RJ-45 port
Telephone Interface	1 x RJ-11 (PSTN connectivity)
LCD display	2 x 16 characters
Speaker	Full duplex hands free speaker phone
Protocols and Standard	
Standard	SIP 2.0 (RFC3261), MD5 for SIP authentication (RFC2069/ RFC 2617), SIP outbound proxy, SIP NAT Traversal Support STUN (RFC3489)
Protocols	SIP 1.0 (RFC2543), SIP 2.0 (RFC3261), TCP/IP, UDP/RTP/RTCP, HTTP, ICMP, ARP, RARP, DNS, DHCP, SNTP, PPPoE
Voice codec	G.711: 64k bit/s (PCM) G.723.1: 6.3k / 5.3k bit/s G.726: 16k / 24k / 32k / 40k bit/s (ADPCM) G.729: 8k bit/s
Voice Standard	Voice activity detection (VAD) Comfort noise generation (CNG) Acoustic echo canceller (AEC) G.165: Line echo canceller (LEC) Jitter Buffer
Supplementary services	Caller ID 3-Way conference Immediate (unconditional) call forwarding Busy call forwarding No answer calls forwarding Call Hold / Waiting / Transfer
Call history	Record incoming call Outgoing call Missed (not accepted) call history
Network and Configuration	
Access Mode	Static IP, PPPoE, DHCP
Management	Web, LCD menu keypad, auto-provision by TFTP/FTP/HTTP
Dimension (W x D x H)	168 x 220 x 60 mm
Operating Environment	0~50 Degree C, 0~90% humidity
Power Requirement	7.5V DC, 1A
EMC/EMI	CE, FCC Class B

ORDERING INFORMATION

VIP-254NT	SIP IP Phone with PSTN connectivity (2 x RJ-45, 1 x R-J11)

C-VIP-254NT