

PLANET Voice Gateway Family Firmware Image Release

Gateway supported : VIP-000,VIP-200/400 (version 2)

Release date: 06/24/02
New Release Version: 3.15
RTOS Version: 2.5.0/BE
Bootloader Version: 4.12
H323 Stack Version: 3.0.9.0
DSP image Version: 8.1.2.1
TSG Version: R8.0 Gateway (Build 4)

Previous Official Release: 3.03/3.10/3.14

Note: Before proceeding any further, please refer to the VIP_Default.txt for reset process. (reset process is required while performing firmware upgrade from earlier version 3.0x to 3.1x)

Added Features and Firmware Changes:

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1. Allow users to enable/disable Telnet Server
Syntax: net set telnet {on/off} ; Enable or disable VIP built-in telnet server.
2. Allow users to enable/disable HTTP server
Syntax: net set http {on/off} ; Enable or dsiable VIP built-in HTTP server.
3. Allow users to turn on/off H.245 tunneling.
Syntax: set h323 h245_tunneling {on/off}
4. Allow users to select the call progress tone detection table.
VIP series with firmware 3.10 or later implement two call progress tone detection configurations, default and alternate, and allow users to

specify which configuration will be used for call progress tone detection.

A configuration includes filter information, and a table containing cadence information of all the call progress tones that are to be detected. The default configuration allows for the detection of the following tones:

- busy
- ringback
- congestion
- disconnect
- disc1
- disc2
- disc3
- disc4
- disc5

The alternate configuration allows detection of the following tones:

- busy
- ringback
- congestion
- disconnect

This command allows selection of which configuration for call progress tone detection.

```
set port port cp_tone_det_cfg {default | alternate}
```

5. Add H.323 option for facilitating interoperability with Cisco 5300.

```
Syntax: set h323 cisco_t38 {on | off}
```

on: Gateway initiates H.323 OLC under slave mode ;

off: Gateway waits for H.323 OLC from master under slave mode.

6. Add a factory default coding profile 10 for proprietary T.38 fax relay protocol (optimize interoperability with Cisco AS series while Internet FAX is transmitted via VIP).

To be able to employ the standard T.38 fax relay protocol, a coding profile with coding_type T.38 FAX and encapsulation type UDP must be

available.

CLI command sequence for easily making available a coding profile for proprietary T.38 fax replay protocol is as follows:

CLI Command	Explanation

set coding 10 copyof 5	Create a new coding profile, which is identical to coding profile for proprietary T.38 fax
set coding 10 encap udp	Change the encapsulation type for the new coding profile to UDP

Note: After modifications, please store changes into machine via command : config activate, config store to enable the coding profile.

7. Fix on-hooks will only take effect when the state machine of the FXO ports return back to IDLE state.

8. Implements H.323 local alert feature:

Per ITU-T H.323 standard, an H.323 terminal initiating a call sends a Setup message to the remote gateway then wait for an Alerting message from remote gateway.

Upon receiving the Alerting message, the terminal sends ring back tone to the telephony port which initiates the call.

During the period after sending Setup message and before receiving Alerting message, the caller will experience a period of silence.

Duration of the silence period depends on the network delay. V3.14h provides an option for generating ring back tone before the Alerting message is received from the remote gateway.

Syntax: set h323 local_alert {on | off}

on: VIP will generate ring back tone before receiving Alerting message from remote gateway.

off: VIP will not generates ring back tone before receiving Alerting message from remote gateway.

9. Allows users to specify the H.225 call signaling port number:

Per ITU-T H.323 standard, the port number which the H.225 listens for incoming call setup request is TCP port 1720.

VIP series previous versions do not allow users to change this port number. Machine install with version 3.15 or later allows users to select the TCP port number which the H.225 listens for incoming call setup request.

Syntax: `set h323 callSignalPort port#`

10. Supports PPPoE protocol:

PPPoE client is now implemented in VIP series version 3.15 or later for users who have PPPoE connection.

Related commands :

- a) `net set pppoe {on | off}` ; Enable or disable the PPPoE client.
- b) `net set pppoe user_name username` ; Setup user name for PPPoE connection.
- c) `net set pppoe pw` ; Setup password for PPPoE connection.
- d) `net set pppoe fixed_ip {ip address assigned by ISP}` ; Certain ISP provides a fixed IP address to each of its subscriber. This command is used to setup PPPoE fixed IP address.
- e) `net show pppoe` ; Display PPPoE related parameters and status.

11. Support DHCP client:

VIP series are now implemented DHCP client which is able to obtain IP configuration parameters from ISP.

Related commands :

- a) `net set dhcp {on | off}` ; Enable or disable built-in DHCP client in VIP.
- b) `net show dhcp` ; Display DHCP related parameters, and status.

12. Support Dynamic DNS service:

VIP series are implemented with DDNS client to bring great convenience for users to find out each other via domain name discovery.

Related commands :

- a) `net set dyndns {on | off}` ; Enable or disable DDNS client in VIP.
- b) `set dyndns add server_name host_name user_name user_password` ; Setup DDNS related parameters.
- c) `set dyndns del {host_name | all}` ; Delete specified DDNS name

or delete all entries in VIP database.

d) net show dyndns ; Display DDNS service is enabled or disabled in VIP.

e) show dyndns ; Display DDNS service related parameters.

Note:

a) DDNS service now supported in VIP is <http://www.dyndns.org> only.

b) Before deploying DDNS service into network, a existing DDNS name is required.

Users may go to DDNS service providers (for example, www.dyndns.org) to obtain a DDNS name.

c) If there is question about Dynamic Domain Name Service, please go to <http://support.dyndns.org/dyndns/> for better understanding their features.

Any comment or feedback will be appreciated.

Thanks for choosing PLANET products.

Best Regards ,

PLANET Tech SupportTeam

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