

VoIP Gateway Series



APOS™ SIP Server with DHCP
(DHCP option 120)

AddPac

AddPac Technology

2014, Sales and Marketing

www.addpac.com

Contents

- DHCP Option
- DHCP Option Enable (CLI, Smart Web)
- DHCP Message Flow
- Firmware Update Procedure

DHCP Option 120

- DHCP Option
 - DHCP Option for Session Initiation Protocol (SIP) Servers
 - Defined at RFC3361 (Standards Track)
 - SIP Server information Encoding
 - Domain Name List (enc = 0)
 - IPv4 Address List (end = 1)

Enable DHCP Option (CLI)

- **CLI**

!

```
interface FastEthernet0/0
```

```
ip address dhcp
```

```
ip dhcp unicast
```

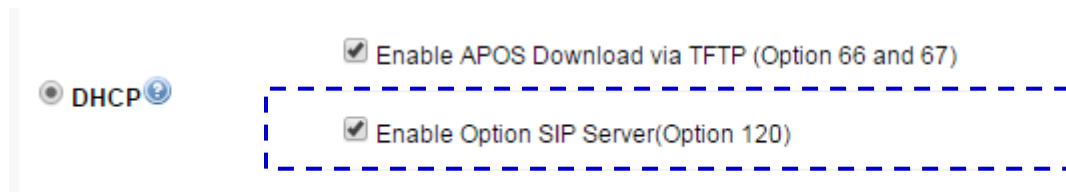
```
ip dhcp request option 120
```

```
speed auto
```

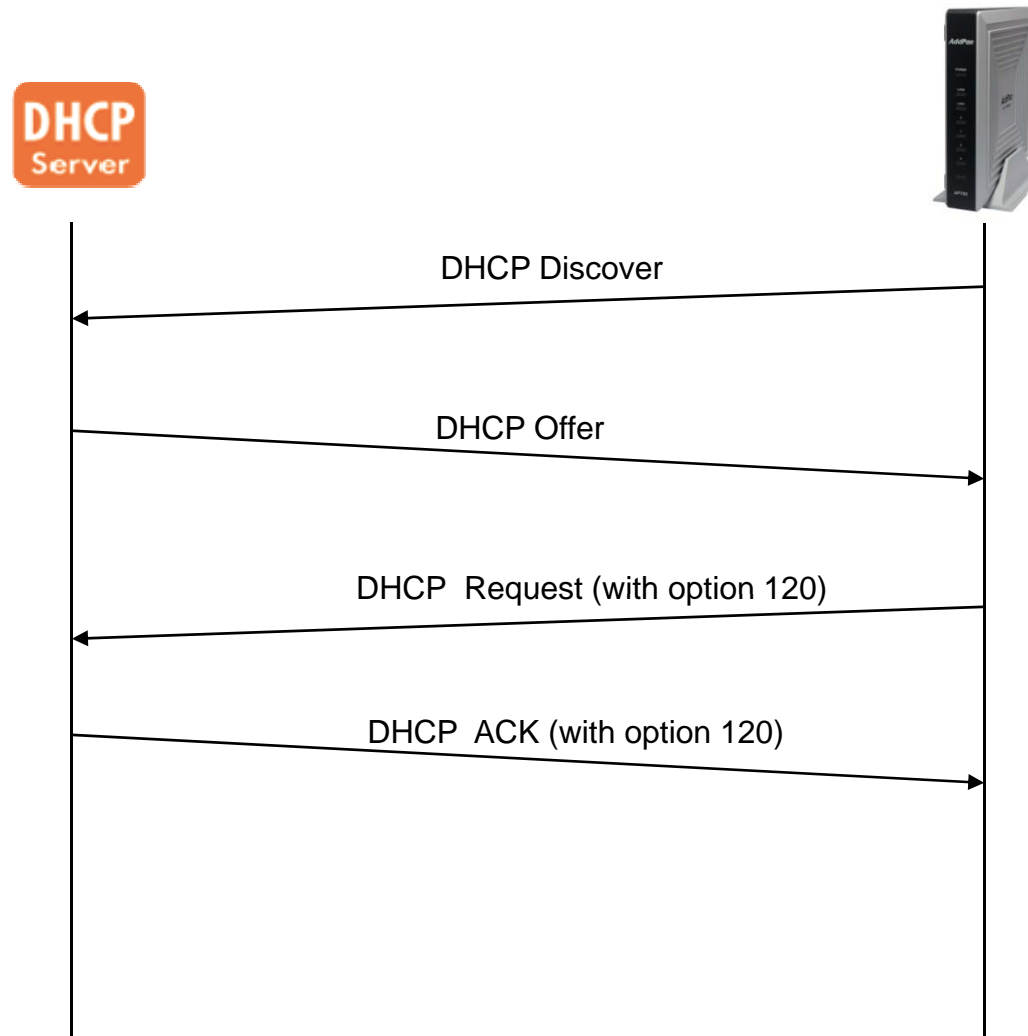
!

Enable DHCP Option (Smart Web)

- HTTP Server
 - System WAN Setup



DHCP Message Flow



Firmware Update Procedure

- Received DHCP ACK Message
 - Check DHCP Option 120
 - If option exist
 - Decoding SIP Server Information (enc=0 or enc=1)
 - Compare DHCP SIP Server and Local SIP Server
 - If same, no action
 - If not same
 - Unregister Current SIP Server
 - Update SIP Server using DHCP SIP Server
 - Register New SIP Server



Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com