

# VoIP Gateway Series

TR-069  
(CPE WAN Management Protocol)



**AddPac**

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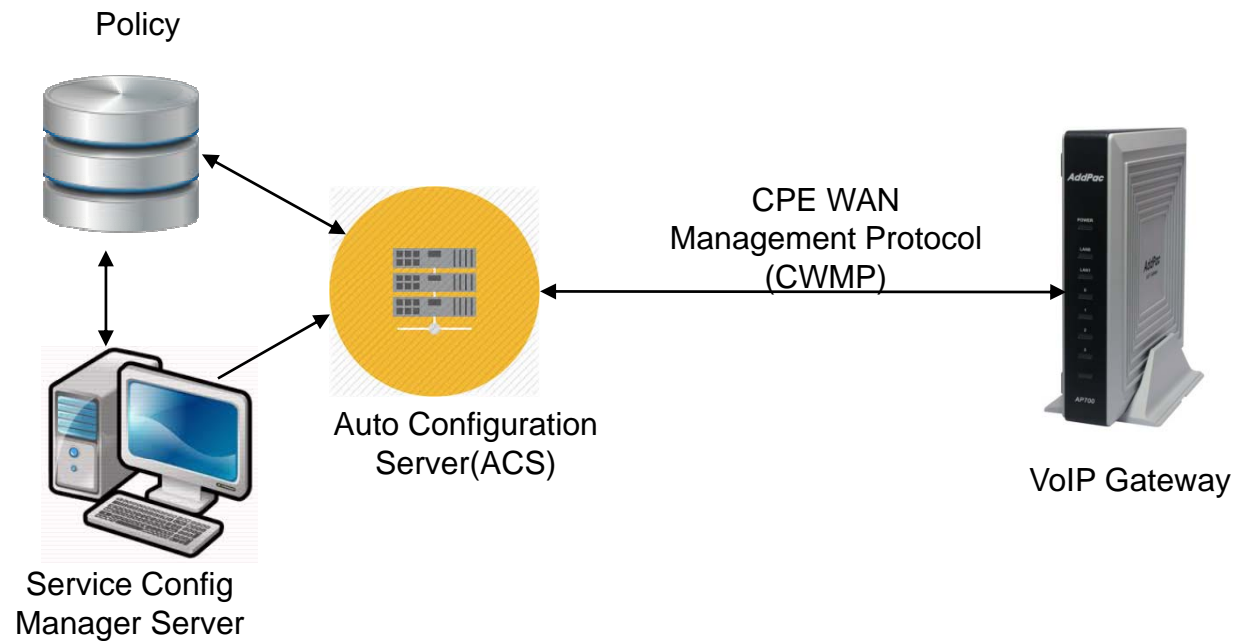
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# Protocol Architecture



# TR-069 Service Configuration (CLI)

```
!  
tr069  
  acs url http://61.33.161.2:8080/ACS/main.action  
  acs authentication login acs password *****  
  httpd port 8000  
  httpd authentication login cpe password *****  
  cpe serial-number AP-GW-12356423  
  cpe oui ADDPAC-0002A4  
  service enable  
!
```

# TR-069 Service Configuration (Smart Web)

The image shows a screenshot of a network device's configuration interface. On the left, a sidebar menu titled "Advanced" contains several options: Port Control & Statistics, Fax, Service, Filtering, Security, SNMP, and TR-069. The TR-069 option is highlighted with a dashed blue box, and an arrow points to it with the text "Select TR-069 at Advanced".

Below the sidebar, the main configuration area is titled "TR-069". At the top of this area, there is a "Service" section with two radio buttons: "Enable" (which is selected) and "Disable". An arrow points to this section with the text "Service Enable/Disable".

Below the "Service" section is the "ACS" section, which is also enclosed in a dashed blue box. It contains three input fields: "URL" with the value "http://61.33.161.2:8080/ACS/main.action" and a note "(ACS Server URL start with http://)", "Login" with the value "acs" and the label "(optional)", and "Password" with a masked value "\*\*\*\*\*" and the label "(optional)". An arrow points to this section with the text "ACS Server Configuration".

At the bottom left of the page, the text "AddPo" is partially visible.

# TR-069 Service Configuration (Smart Web)

Local HTTP Server for ACS Server Access

The screenshot displays two configuration sections within a web interface. The first section, titled 'HTTPD', is enclosed in a dashed blue box and contains three input fields: 'Port' with the value '8000' and a note '(Local HTTPD Port for ACS Access , default 8000)', 'Login' with the value 'cpe' and '(optional)', and 'Password' with a masked value '\*\*\*\*\*' and '(optional)'. The second section, titled 'Device Information', is also enclosed in a dashed blue box and contains three input fields: 'Model Name' with the value 'AP1850', 'Serial Number' with the value 'AP-GW-12356423', and 'OUI' with the value 'ADDPAC-0002A4'. Arrows from external text labels point to the top and bottom of these dashed boxes.

HTTPD	
Port	<input type="text" value="8000"/> (Local HTTPD Port for ACS Access , default 8000)
Login	<input type="text" value="cpe"/> (optional)
Password	<input type="password" value="*****"/> (optional)

Device Information	
Model Name	<input type="text" value="AP1850"/>
Serial Number	<input type="text" value="AP-GW-12356423"/>
OUI	<input type="text" value="ADDPAC-0002A4"/>

Modify CPE Information (SN, OUI)

# Supported Operation

Message	Description
GetParameterNames	Used to retrieve list of supported parameters from the device.
GetParameterValues	Retrieve current value of the parameters identified by keys. Could be used to retrieve one or multiple parameters at once. The version of the call with object as the key allows for retrieval of all of the parameters associated with that object
SetParameterValues	Sets the value of one or multiple parameters
GetParameterAttributes	Retrieves attributes of one or multiple parameters
SetParameterAttributes	Sets attributes of one or multiple parameters
Download	Orders CPE to download the file specified by URL and use it (depending on specified file type) as a Firmware Image, Configuration File, Ringer file, etc.
Upload	Orders CPE to upload specified file type to the specified destination. This could cover, for example, the current configuration file or log files.
AddObject	Adds new instance to an object
DeleteObject	Removes instance from an object

# Tested High-Level Operation

- Service Re-establishment
  - ✓ Device restart
  - ✓ ACS request
- Firmware / Config Download
  - apos.bin
  - apos.cfg
- Upload
  - Event
  - Configuration (apos.cfg)
- Reboot
- Factory Reset



# Firmware / Configuration Download

- Download via HTTP
- Download Argument
  - FileType :
    - “1 Firmware Upgrade Image” → APOS Download
    - “3 Vendor Configuration File” → Configuration Download
  - URL
    - Specify the download file location
  - TargetFileName
    - Filename of APOS Firmware



# Thank you!

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