

# AP-EAP70

## Emergency Call Analog FXO Phone

High Performance Emergency Call Analog FXO Phone Solution



Analog Port Diagnostic Features  
(FXO Port)

**AddPac**

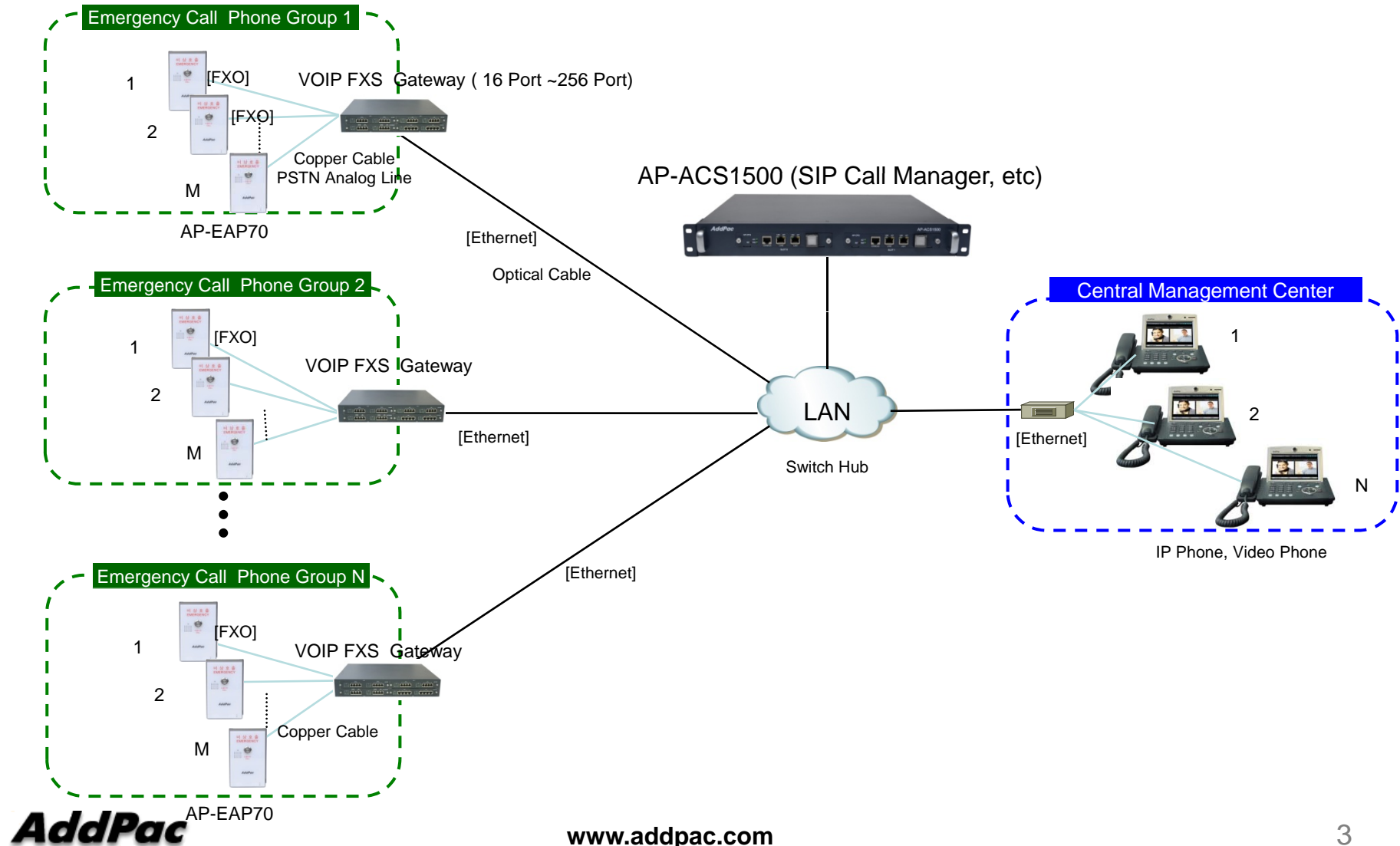
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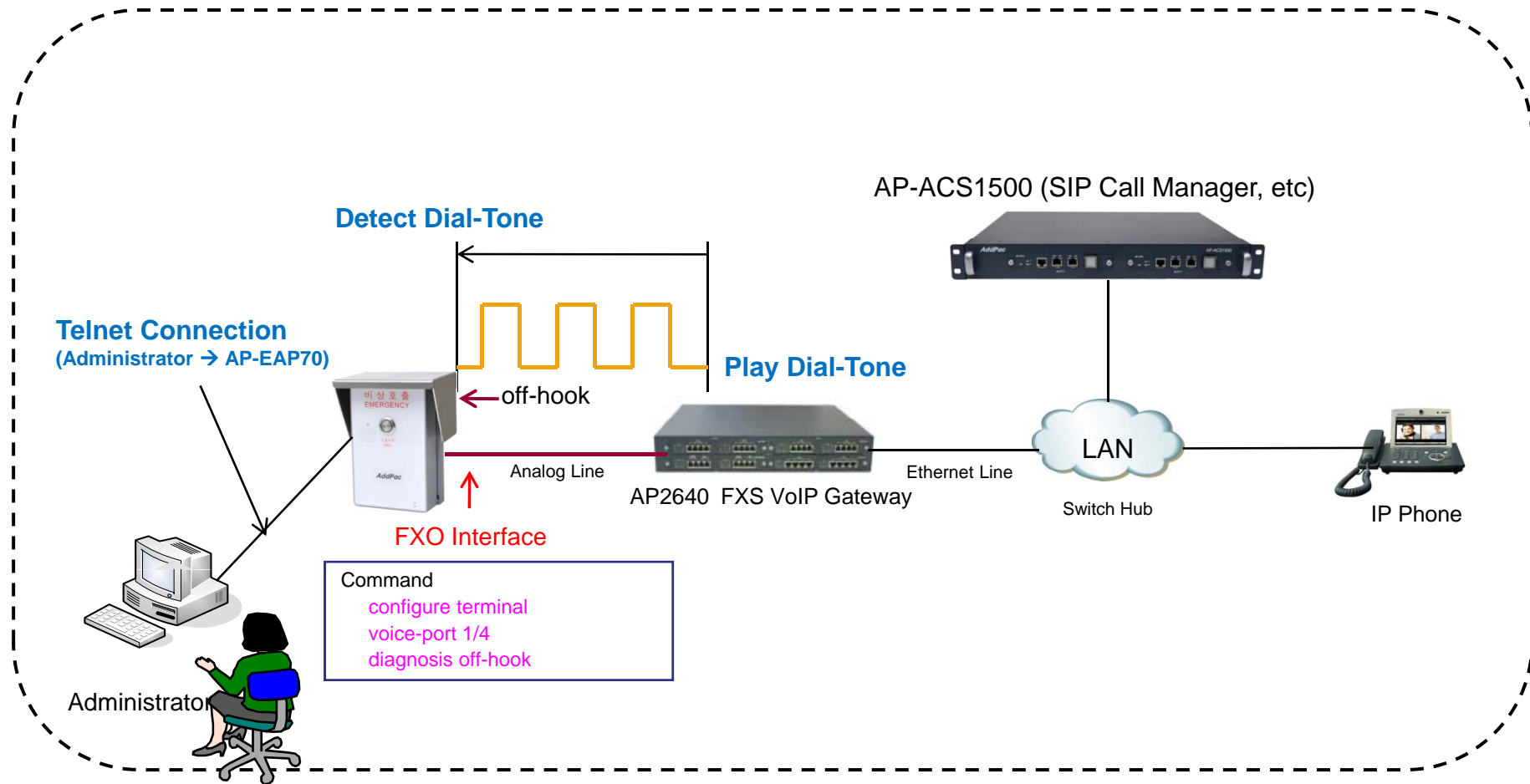
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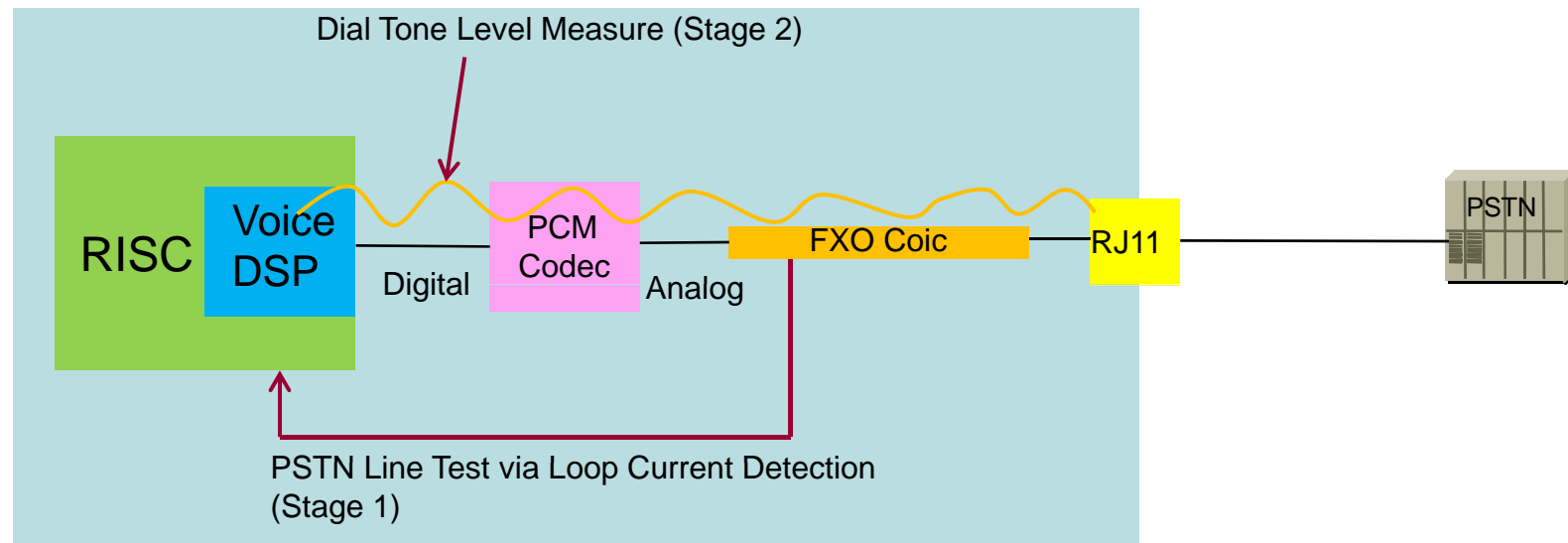
# Network Diagram



# Network Diagram for Port Diagnostic



# FXO Hardware Block Diagram



Stage 1 : PSTN Line Test by Loop Current Detection

Stage 2 : Internal FXO Hardware Test by Dial Tone Power Level Detection

# Command Line Interface

- Diagnosis off/on-hook for FXO Interface Test

FXO Port off-hook

Check PSTN Line : Loop Current Measure Instead of Voltage Level

Detection Tone Level : Power Level Measure by using Voice DSP

FXO Port Call Termination

# FXO Port Diagnostic Example by CLI

```
Welcome to AddPac Gateway

login: root      ← Login
Password:
Gateway > enable
Gateway#
Gateway# configure terminal      ← Global Configuration
Gateway(config)# voice-port 1/4  ← Voice Port Configuration
Gateway(config-voice-port-1/4)# diagnosis <off/on>-hook      ← FXO Port Control
Gateway(config-voice-port-1/4)# diagnosis off-hook

VM(1/4/0) FXO OffHook
VM(1/4/0) Skip Tx CONNECT_CNF by mpLineTestMode
VM(1/4/0) FXO LoopCurrent detected      ← PSTN Line Connect
22 22 22 22 22 22 22 22 23 22 22 22 22 22 22... (dBm)      ← Detection Tone Level by DSP (Tone Level -22dBm)
22 22 22 22 22 22 22 22 23 22 22 22 22 22 22...
OR
VM(1/4/0) FXO no LoopCurrent      ← PSTN Line not Connect
63 63 63 63 63 63 63 63 63 63 63 63 63 63... (dBm)      ← Not Detection Tone Level by DSP
63 63 63 63 63 63 63 63 63 63 63 63 63 63...

Gateway(config-voice-port-1/4)# diagnosis on-hook
```

# FXO Service Feature List

FXO Service Features	Clear down tone registration and detect function
	Ring detect timeout setting function
	Ring number setting function



# FXO Service Description

Features	Description
Ring number setting function	Use this command to set the maximum number of rings to be detected before answering a call over an FXO voice port. In that case, the FXO interface would answer if the equipment online did not answer the incoming call in the configured number of rings.
Clear down tone registration and detect function	Clear-down-tone detects call termination of FXO port connected to and generated from PSTN or PBX. The value of clear-down-tone (busy tone, fast busy tone) is different for each PSTN and PBX. So use voice class clear-down-tone for registration process in global configuration mode.



# 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](mailto:sales@addpac.com)