AP-EIP100
Emergency Call IP Phone
High Performance Emergency Call IP Phone Solution

Multi-Terminal Ringing Service using ACS(Access Control Server) for Large-Scale Deployment
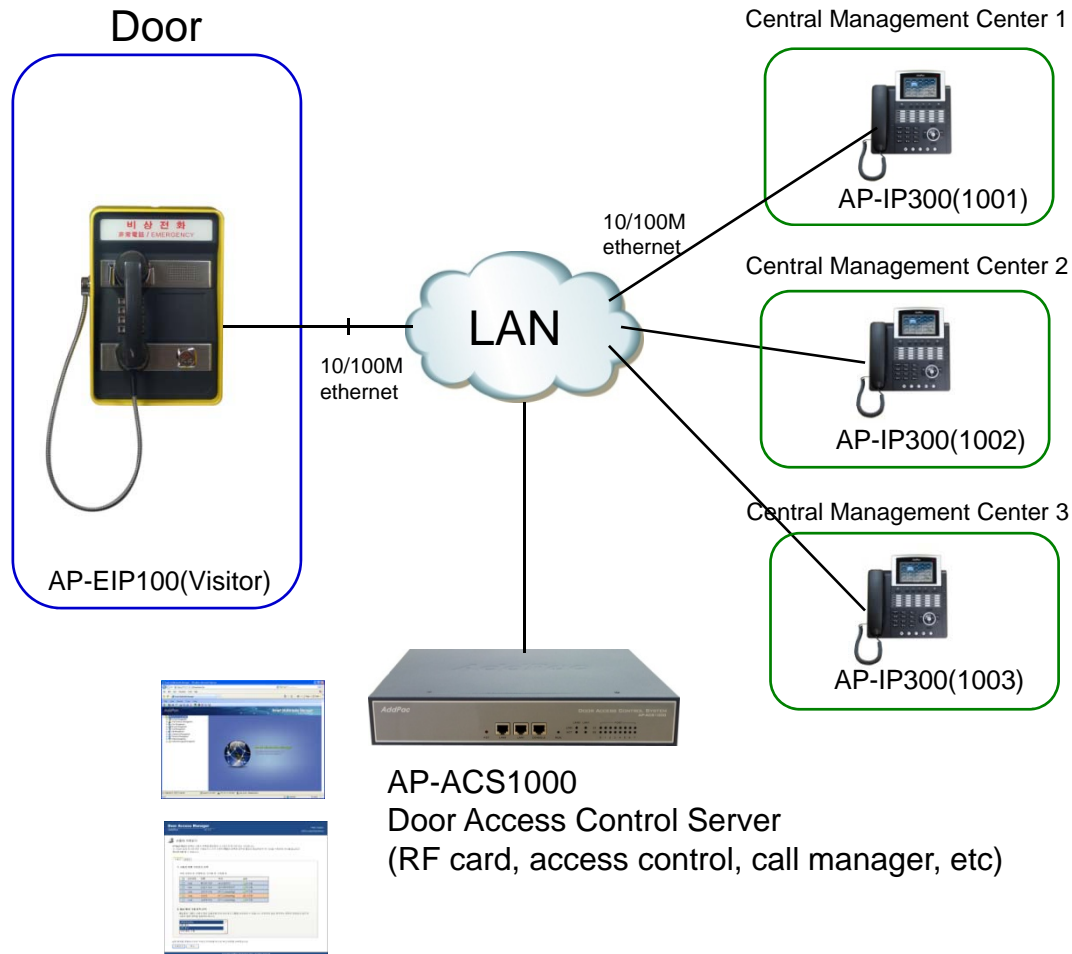
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Multi-Terminal Ringing Network Service Diagram (single ACS)

Door

Central Management Center 1

AP-IP300(1001)

Central Management Center 2

AP-IP300(1002)

Central Management Center 3

AP-IP300(1003)

10/100M ethernet

10/100M ethernet

LAN

AP-EIP100(Visitor)

AP-ACS1000
Door Access Control Server
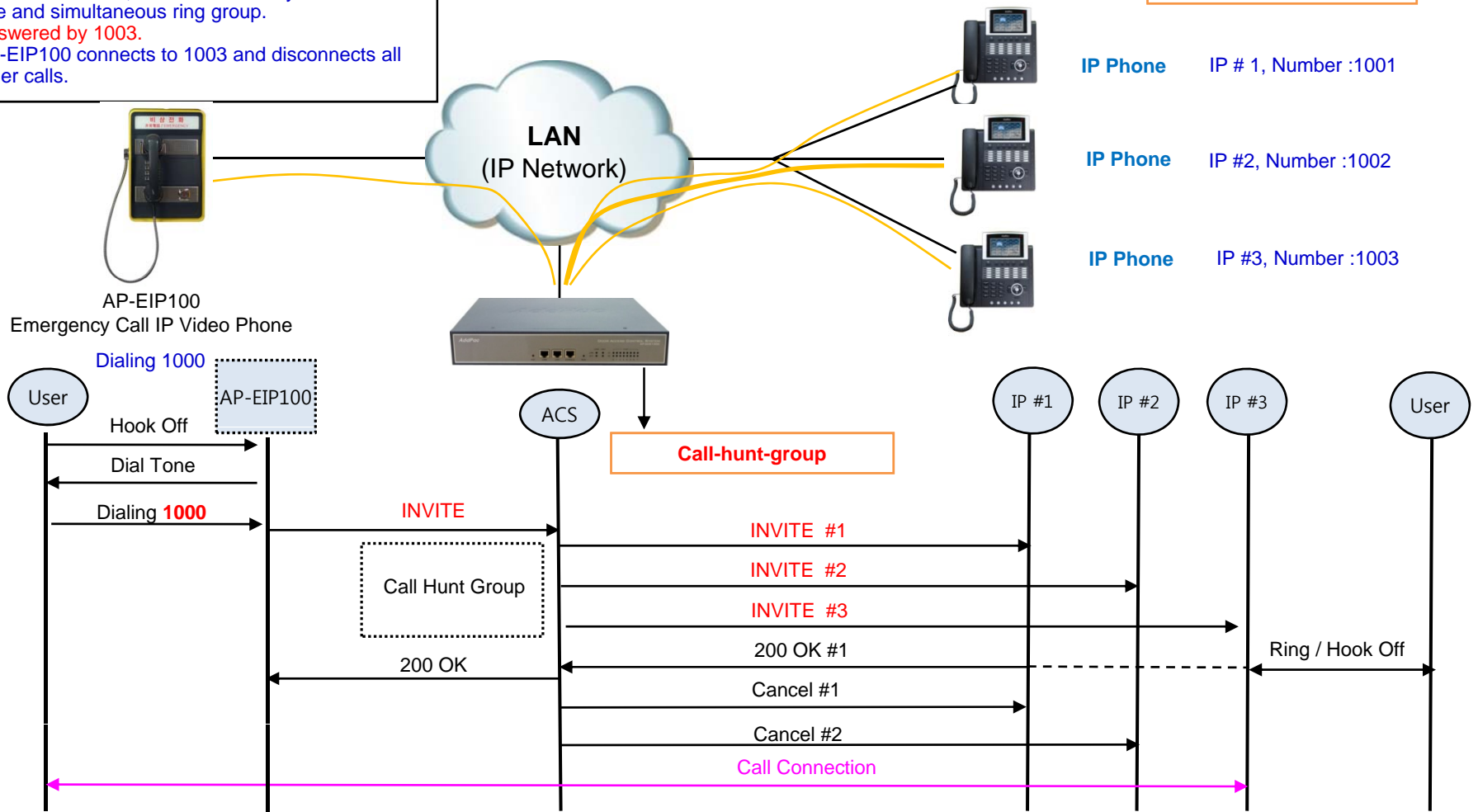(RF card, access control, call manager, etc)

Benefits are
- When main secretary is busy or in absence, the others can response to the visitor's call.
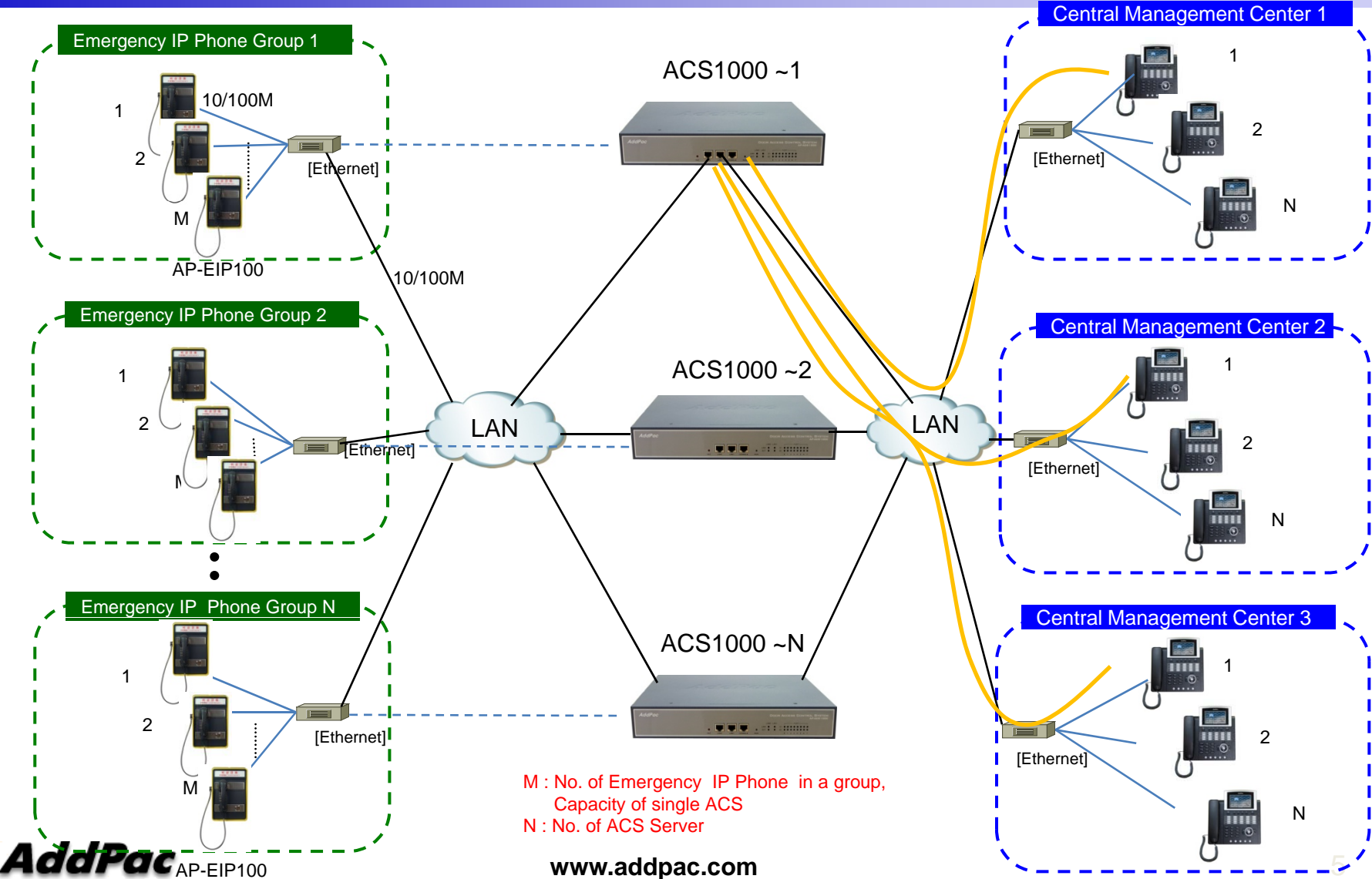- This service extends to WAN, Mobile or PSTN via VoIP Service Provider.

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Signaling Flow
(Emergency Call IP Phone to ACS to IP Phones)

Simultaneous Ring Scenario Example
1. A Visitor call to '1000'
2. ACS call to 1001, 1002 and 1003 by translation rule and simultaneous ring group.
3. Answered by 1003.
4. AP-EIP100 connects to 1003 and disconnects all other calls.

RTP Flow
Signaling Flow

LAN
(IP Network)

IP Phone   IP # 1, Number :1001

IP Phone   IP #2, Number :1002

IP Phone   IP #3, Number :1003

AP-EIP100
Emergency Call IP Video Phone

Dialing 1000

| User | AP-EIP100 | ACS | Call-hunt-group | IP #1 | IP #2 | IP #3 | User |

Hook Off

Dial Tone

Dialing **1000**

INVITE

Call Hunt Group

INVITE #1

INVITE #2

INVITE #3

200 OK #1   Ring / Hook Off

200 OK

Cancel #1

Cancel #2

Call Connection

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Large Scale Network Diagram (Multiple ACS Environment)

Emergency IP Phone Group 1

1
10/100M
2
M
[Ethernet]
AP-EIP100

10/100M

Emergency IP Phone Group 2

1
2
M
[Ethernet]

Emergency IP Phone Group N

1
2
M
[Ethernet]
AP-EIP100

ACS1000 ~1

ACS1000 ~2

ACS1000 ~N

LAN

LAN

Central Management Center 1

1
2
N
[Ethernet]

Central Management Center 2

1
2
N
[Ethernet]

Central Management Center 3

1
2
N
[Ethernet]

M : No. of Emergency IP Phone in a group,
Capacity of single ACS
N : No. of ACS Server

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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