

Emergency Call IP Phone Solution



AP-EIP100



AP-EIP90



AP-EIP80



AP-EIP50

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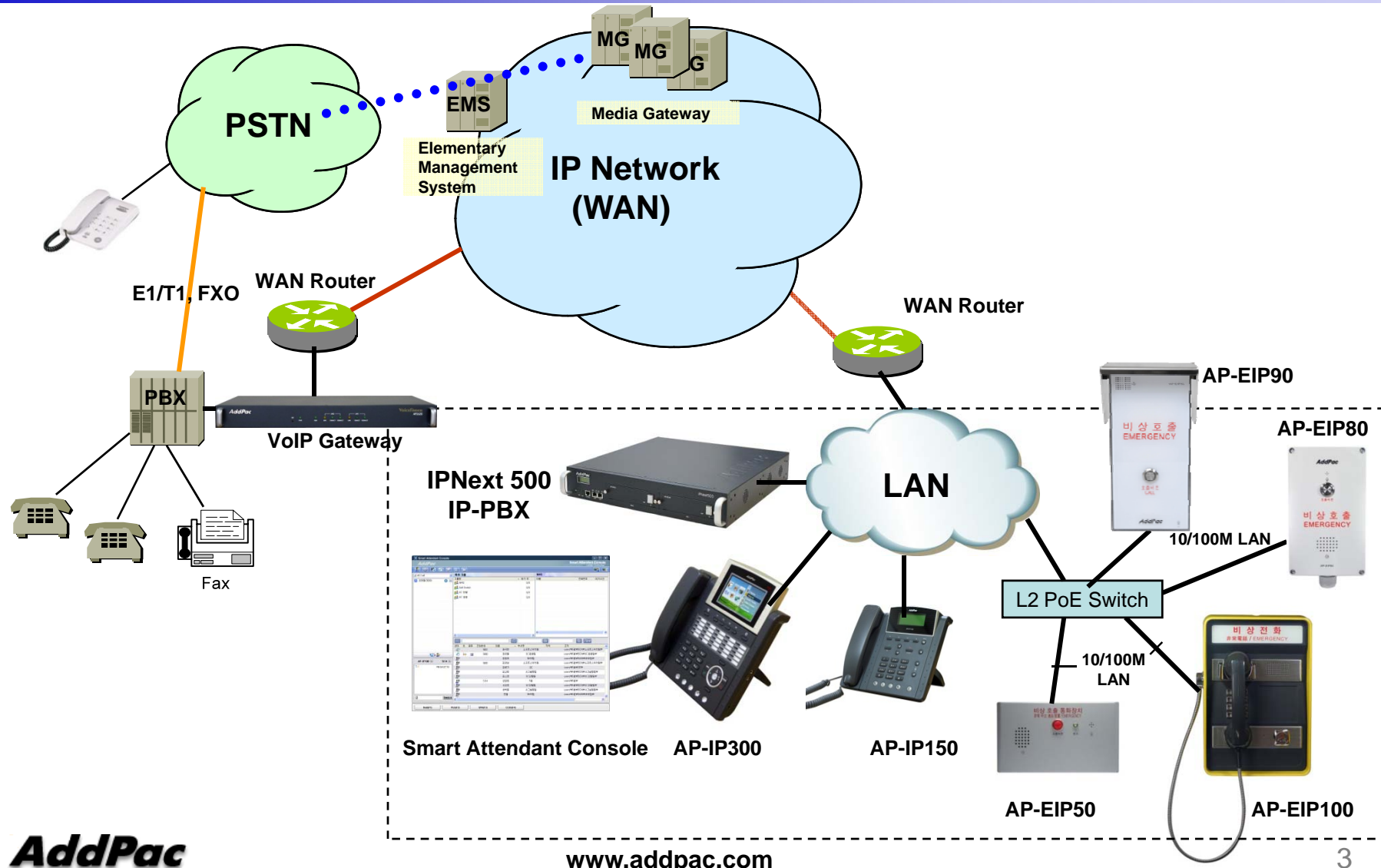
AddPac Technology

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Emergency Call IP Phone Service Diagram



Emergency Call IP Phone Comparison Table

Model	AP-EIP100	AP-EIP90	AP-EIP80	AP-EIP50
Service Features				
Duplex	Full Duplex	Full Duplex	Full Duplex	Full Duplex
Key Pad	3x4 Key Support	N/A	N/A	N/A
Handset	Support	N/A	N/A	N/A
Voice Codec	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Speaker Phone	Support	Support	Support	Support
LAN Port	1	1	1	1
PoE(Optional)	Support	Support	Support	Support
Application	Indoor	Outdoor(water proof)	Outdoor(water proof)	Indoor



AP-EIP100 Emergency Call IP Phone

Main Features

AP-EIP100 Emergency Call IP Phone

Main Features

- High Performance Emergency Call IP Phone Solution
- Emergency Call Button & Speaker Phone
- 3x4 Key, Handset, Internal MIC & Speaker
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Voice Codec Support
 - G.711/G.726/G.729/G.723, etc
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- NMS (Network Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Hardware Specification

AP-EIP100 Emergency Call IP Phone

RISC
CPU

High-end
DSP

- **RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)**
- **Audio and Voice Interface**
 - Internal MIC
 - Internal Speaker
 - Hand Set, On/Off Hook
 - 3 x 4 keyPAD
- **Emergency Call Button**
- **Network Interface**
 - One(1) 10/100Mbps Fast Ethernet
- **Power Supply**
 - Power over Ethernet

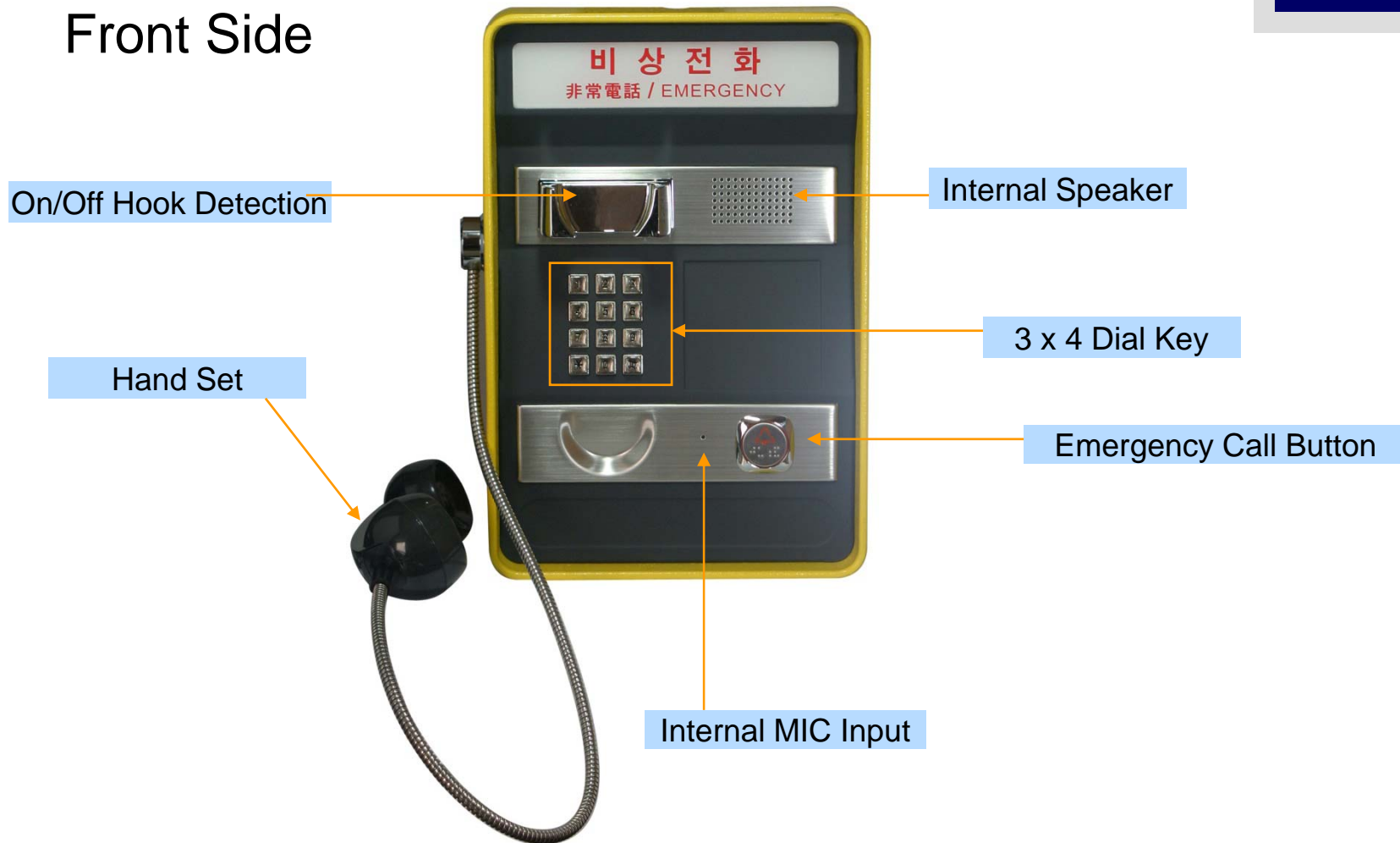
Hardware Specification

AP-EIP100 Emergency Call IP Phone

RISC
CPU

High-end
DSP

Front Side



Hardware Specification

AP-EIP100 Emergency Call IP Phone

RISC
CPU

High-end
DSP

Bottom Side



Outlet for LAN cable





AP-EIP90 Emergency Call IP Phone

Product Overview

AP-EIP90 Emergency Call IP Phone

- High Performance Emergency Call IP Phone Solution
- Emergency Call IP Phone Solution for Outdoor Application
- Water Proof Function Support
- Full Duplex Voice Communication
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- SIP VoIP Signaling Stack Embedded
- Powerful Acoustic Echo Canceller Chip Embedded
- Optional External Audio In/Out Interface Support for Noisy Street Installation
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism
- Die-Casting STILL Chassis

Hardware Specification

AP-EIP90 Emergency IP Phone

- RISC+DSP Microprocessor Computing Power
- Audio and Voice Interface
 - Internal MIC
 - Internal Speaker
- Emergency Call Button & LAMP
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet
- Alarm & Relay Out Interface (door open, etc)
- RS232/RS485 Interface
- External RCA Audio Line Out and MIC In (back side)
- Power Supply
 - Power over Ethernet (Option)
 - External Power Adaptor
- Die-Casting STILL Chassis

Hardware Specification

AP-EIP90 Emergency IP Phone

Front Side



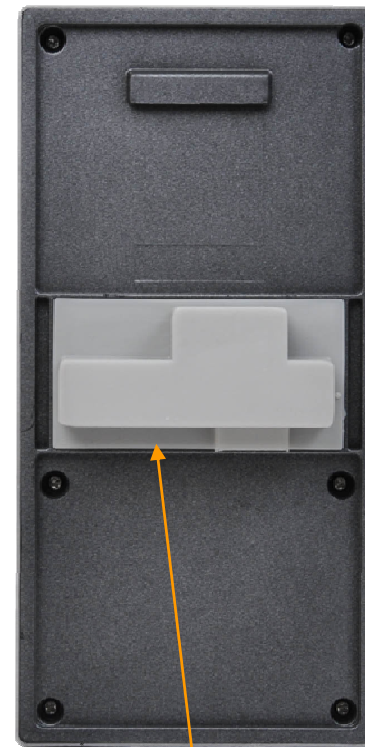
Hardware Specification

AP-EIP90 Emergency IP Phone

Back Side



Backside Wall Mount Bracket

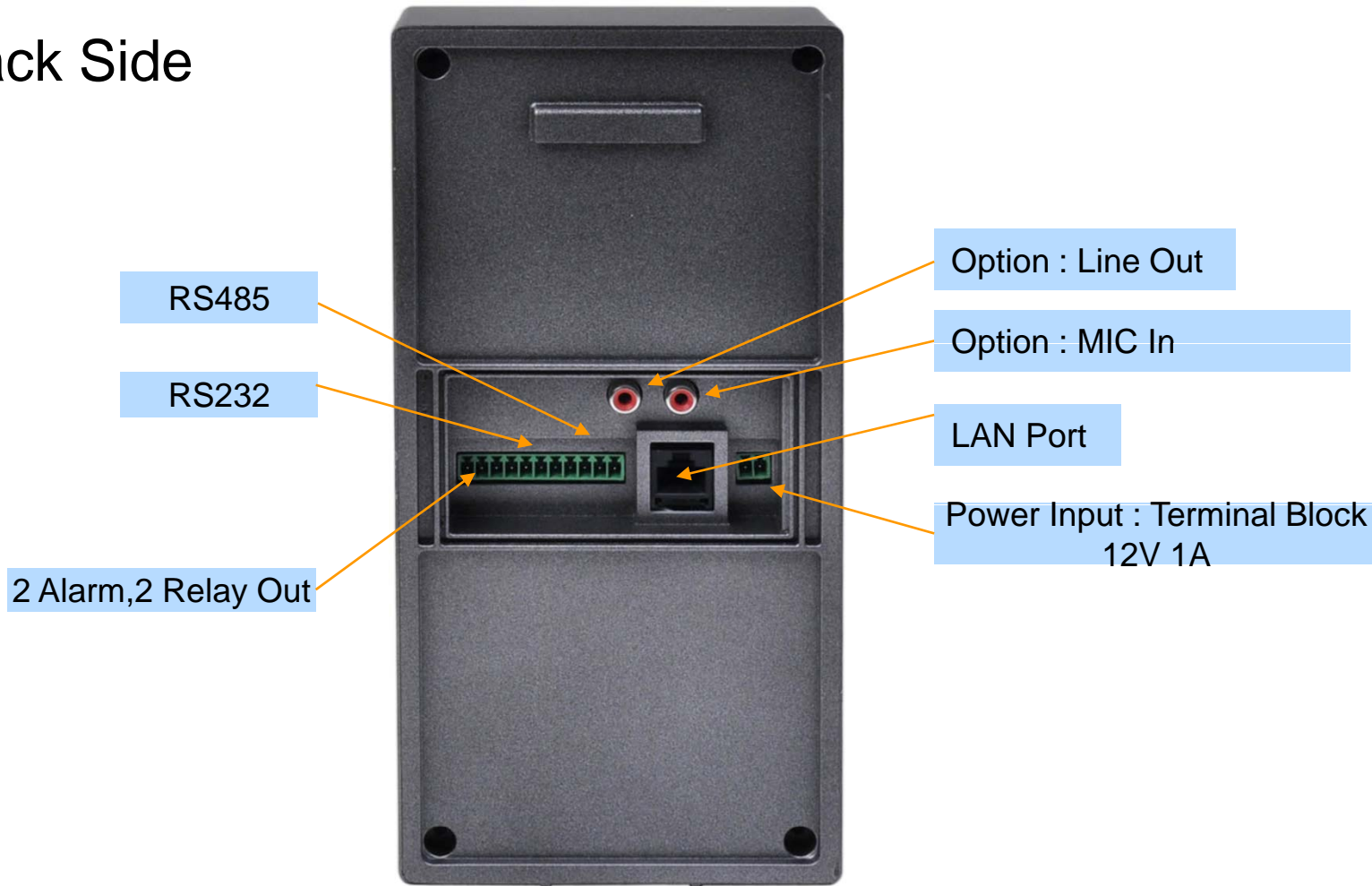


Rubber Cover for Water Protect

Hardware Specification

AP-EIP90 Emergency IP Phone

Back Side



Hardware Specification

AP-EIP90 Emergency IP Phone

Power Supply

Terminal Block



12V 1A Power Adaptor

Example





AP-EIP80 Emergency Call IP Phone

Main Features

AP-EIP80 Emergency Call IP Phone

Main Features

- Emergency IP Phone Solution for Outdoor Application
- Emergency Call Button & Speaker Phone
- Water Proof Function Support
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Voice Codec Support
 - G.711/G.726/G.729/G.723, etc
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- NMS (Network Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Hardware Specification

AP-EIP80 Emergency Call IP Phone

RISC
CPU

High-end
DSP

- **RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)**
- **Audio and Voice Interface**
 - Internal MIC
 - Internal Speaker
- **Emergency Call Button & LAMP**
- **Network Interface**
 - One(1) 10/100Mbps Fast Ethernet
- **Power Supply**
 - Power over Ethernet

Hardware Specification

AP-EIP80 Emergency Call IP Phone

RISC
CPU

High-end
DSP

Front Side



Internal MIC Input

Emergency Call Button with LED

Internal Speaker

Stainless Steel Cover for Water Protect



LAN Cable Inlet for water Proof



AP-EIP50 Emergency Call IP Phone

Main Features

AP-EIP50 Emergency Call IP Phone

Main Features

- Emergency IP Phone Solution
- Emergency Call Button & Speaker Phone
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Voice Codec Support
 - G.711/G.726/G.729/G.723, etc
- One(1) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- NMS (Network Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Hardware Specification

AP-EIP50 Emergency Call IP Phone

RISC
CPU

High-end
DSP

- **RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)**
- **Audio and Voice Interface**
 - Internal MIC
 - Internal Speaker
- **Emergency Call Button & LAMP**
- **Network Interface**
 - One(1) 10/100Mbps Fast Ethernet
- **Power Supply**
 - Power over Ethernet

Hardware Specification

AP-EIP50 Emergency Call IP Phone

RISC
CPU

High-end
DSP

Hardware Specifications

AP-EIP50 IP Phone	Basic Specifications
CPU	RISC+ DSP Microprocessor
Ethernet Interface	1-Ports 10/100Mbps Ethernet Interface(RJ-45)
Flash Memory	4Mbyte High-speed Flash Memory
Base Memory	16Mbyte High-speed SDRAM
Power Requirement	Power over Ethernet
Operating Temperature	0°C ~ 45°C (32 °F ~ 122°F)
Storage Temperature	-40°C ~ 85°C (-40°C ~ 185°F)
Relative Humidity	5% ~ 95% (Non-condensing)
Dimensions	200mm x 115mm x 34mm (W x H x D)
Weight (g)	0.85Kg



Front Side

Internal MIC Input

Emergency Call Button

Internal Speaker

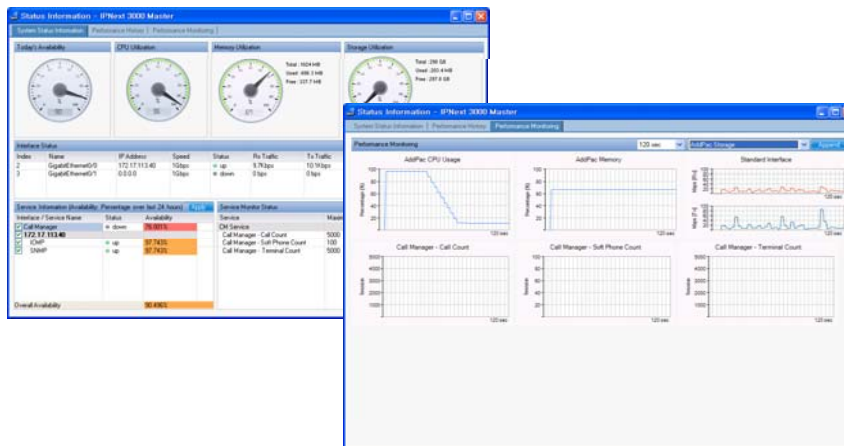
Bottom Side



Outlet for LAN cable

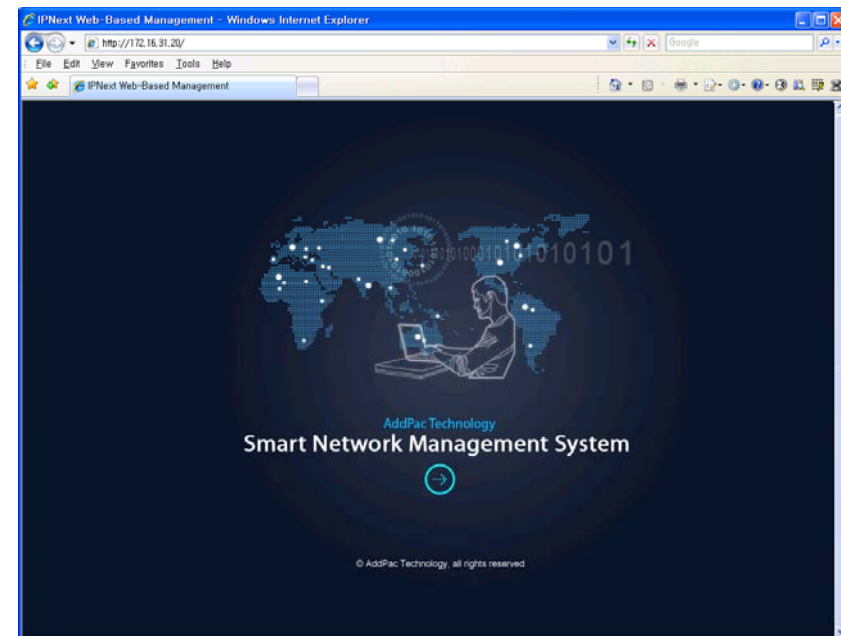
Smart NMS

Smart Network Management System for Video Phone



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System Requirement

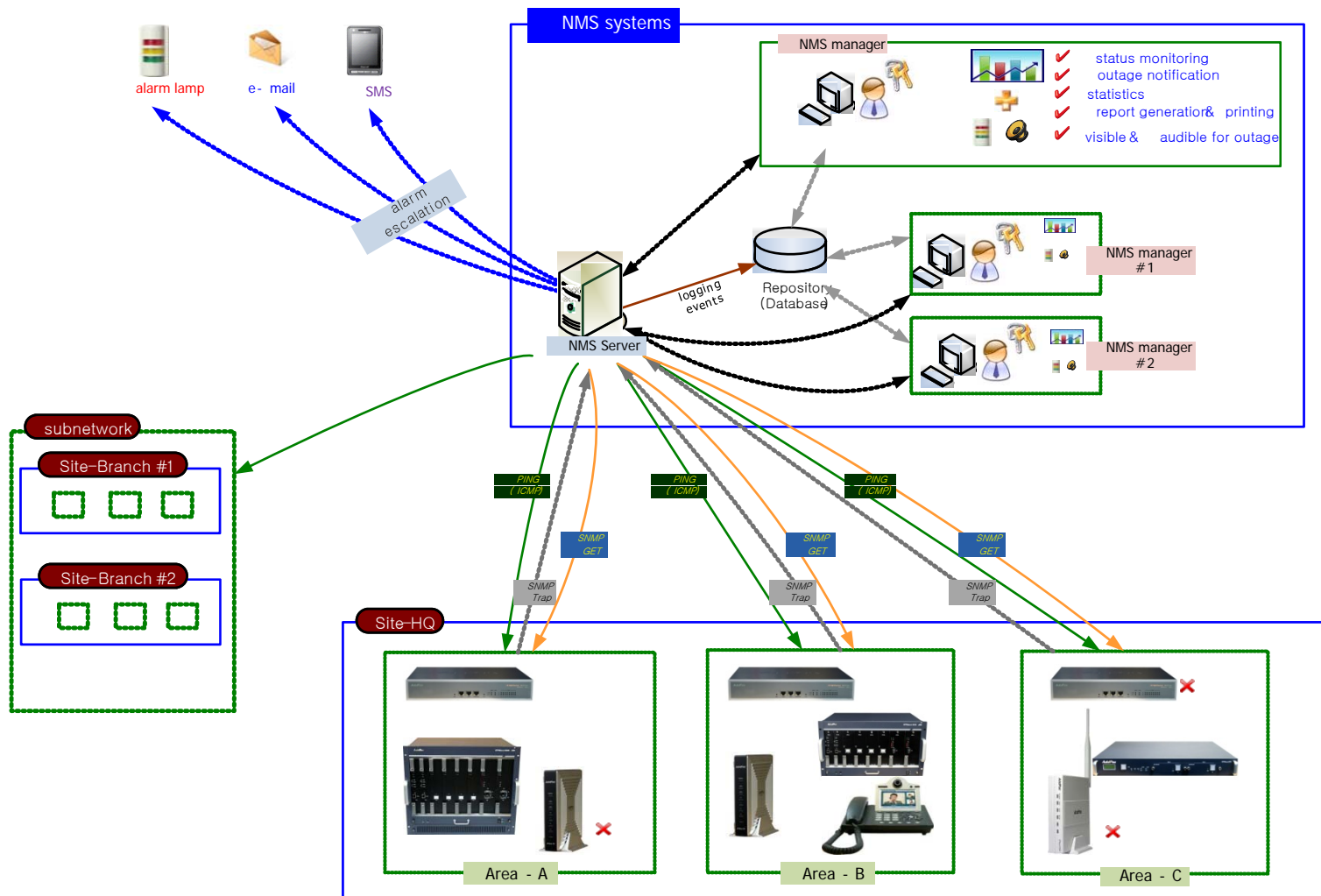
NMS Server

- OS : RHEL (Redhat Enterprise Linux) 5.0 or higher
- CPU : Quad-Core 2.0 GHz / 1333MHz FSB 2x4 MB cache
- Physical Memory : 4 GB
- HDD : 300 G
- JRE (Java Runtime Environment) 1.5.1 or Higher
- Database : PostgreSQL 8.1.11

NMS Client

- Windows XP, Vista, Windows Server 2000/2003
- Microsoft Internet Explorer 6.0 or higher

NMS Networking Diagram



Ex: Device Fault Management

The screenshot displays the Smart Network Management System (NMS) interface. The main area shows a grid of device monitoring cards for various servers and network devices. A message window is open over one of the cards, displaying detailed information about a device fault.

Message Window Content:

```

+Model: IPNext200
+IP Address: 172.16.31.13
+Severity: Critical

+Call Manager - Call Count Maximum: 200 Session: 0
+CPU Utilization Usage: 0%
+Memory Utilization Total: 131072 Used: 0
+Storage Utilization Total: 78104896 Used: 420096
    
```

Device Status Matrix (Left Panel):

Name	Service...	Availability
Branch AQ		
NMS Camera	6 of 12	48.994 %
NMS_IP_PBX...	3 of 3	0.000 %
Branch GX		
00_IVR_server	3 of 3	0.000 %
00_IVR_slave...	3 of 3	0.000 %
00_NR_server	1 of 2	98.015 %
00_PS_server	3 of 3	0.000 %
00_PS_slave...	2 of 3	32.703 %
IPNext 3000 ...	1 of 3	90.536 %
IPNext 3000 S...	1 of 3	90.584 %
UMS slave	3 of 3	0.000 %
HeadQuarter		
UMS server(o...	3 of 3	0.000 %
Subnetwork #2		
Center		
NMS_SOHO_...	2 of 2	92.939 %

Legend:

- 1) red : critical
- 2) orange : major
- 3) light blue : normal

Message Window (Right Panel):

```

NMS_IP_PBX_31_13
+Model: IPNext200
+IP Address: 172.16.31.13
+Severity: Critical

+Call Manager - Call Count Maximum: 200 Session: 0
+CPU Utilization Usage: 0%
+Memory Utilization Total: 131072 Used: 0
+Storage Utilization Total: 78104896 Used: 420096
    
```

Message Log (Bottom Panel):

ACK ID	Send Time	Site	Device Name	IP Address	Service	Message
9525	4/10/2009 5:21:06 PM	/AddPac/Branch GX	00_NR_server	172.17.111.21	SNMP	인터페이스 172.17.111.21 (172.17.111.21)의 장비명 (00_NR_server)의 서비스 SNMP가 2009년 4월 10일 금요일 오후 5시 21분 06초에 실패함.
9502	4/10/2009 3:34:29 PM	/Subnetwork #2/Center	NMS_SOHO_PBX			device NMS_SOHO_PBX, all services are down
9495	4/10/2009 11:37:12 AM	/AddPac/Branch GX	IPNext 3000 Slave	172.17.113.41	Call Manager	interface 172.17.113.41 (172.17.113.41) device (IPNext 3000 Slave) service Call Manager 2009-4-10 11:37:12 failed
9494	4/10/2009 11:37:12 AM	/AddPac/Branch GX	IPNext 3000 Master	172.17.113.40	Call Manager	interface 172.17.113.40 (172.17.113.40) device (IPNext 3000 Master) service Call Manager 2009-4-10 11:37:12 failed
9418	4/9/2009 2:20:01 PM	/AddPac/Branch GX	00_IVR_server			device 00_IVR_server all services are down

Emergency Call IP Phone Series

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