

Emergency IP Telephony Solution for Airport elevator & Park Lot.

**Emergency Phone Solution for
Airport Elevator/Parking Lot**

AP-PT50 Presence Terminal
VAP-IP300 Video Phone
IPNext180 Hybrid IP-PBX
AP6500 VoIP Analog Gateway
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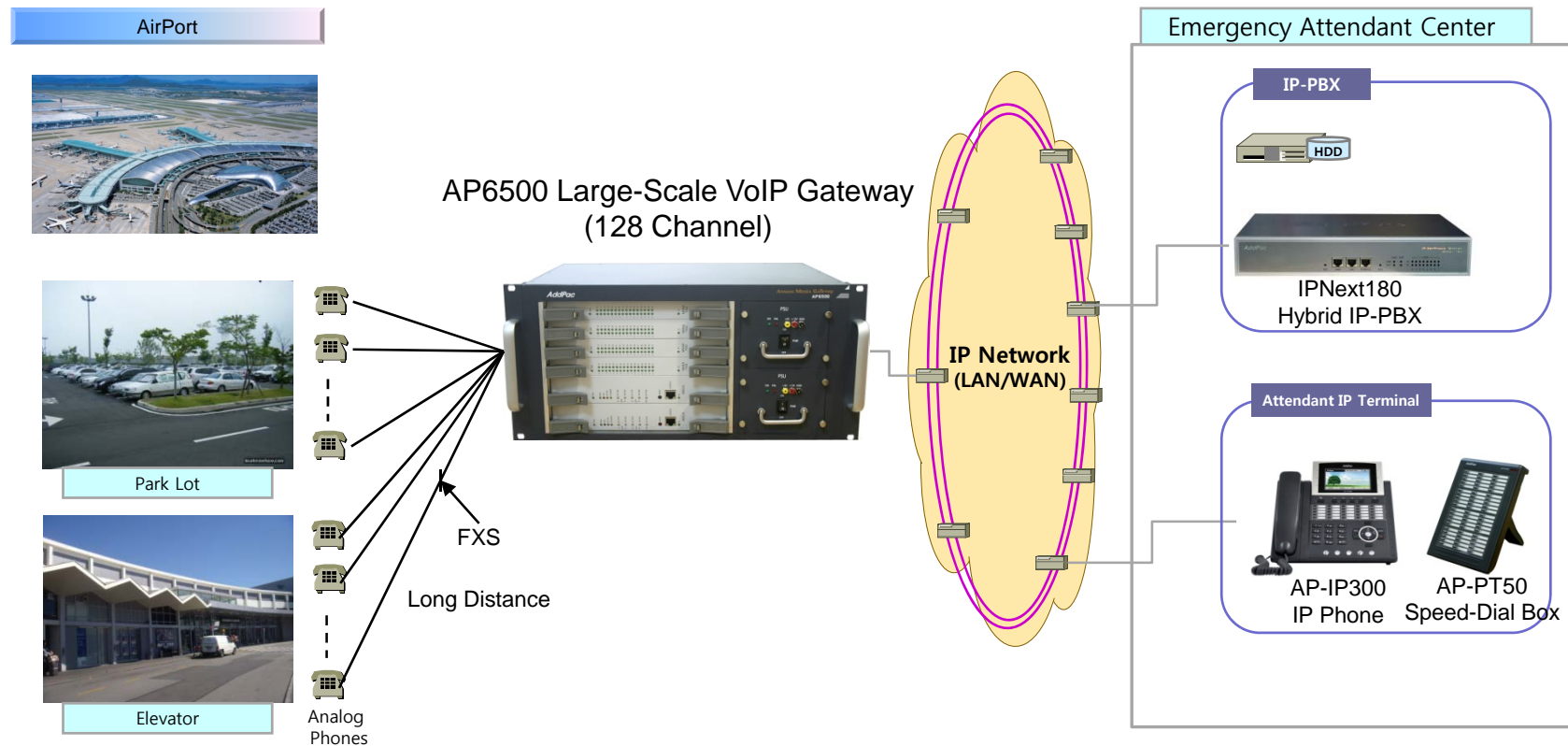
2012, Sales and Marketing

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IP Telephony Network Diagram







IP Telephony Solution Components



AP6500 VoIP Gateway

(Large Scale, Long Distance)

Large Capacity VoIP Gateways

Product	AP6500	AP6800
		
Available VoIP Modules	AP-N1-FXS32 AP-N1-FXO32	AP-N1-FXS32 AP-N1-FXO32
Analog Ports	Up to 128 (32-Port Module x 4)	Up to 256 (32-Port Module x 8)
Signaling	SIP, H.323	SIP, H.323
CPU Redundancy (Dual CPU)	Support (Option)	Support (Option)
E&M	N/A	N/A
Module Slot for VoIP Module	4 Slots	8 Slots
LAN Port	2	2
Console	1	1
Dual Power Supply (Option)	Support	Support

Main Features

AP6500 Large Scale VoIP Gateway

- H.323/SIP/MGCP Concurrent Triple Stack Support
- High Performance RISC Processor
- Optional Dual CPU Redundancy (Active, Standby) for System Stability
 - SIP/MGCP Concurrent **Redundancy** Stack Support
- Dual Power Redundancy (AC, DC) selectable at ordering
- Hot-Swap Function Support
- Up to 128 Analog Interface Port (32Port Board x 4 Ea) Support
- Two(2) 10/100/1000Mbps Giga-Bit Ethernet Interface
- G.711/G.726/G.723/G.729, T.38 Fax , VAD, etc
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- VPMS (VoIP Plug&Play Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Hardware Specification

AP6500 Large Scale VoIP Gateway

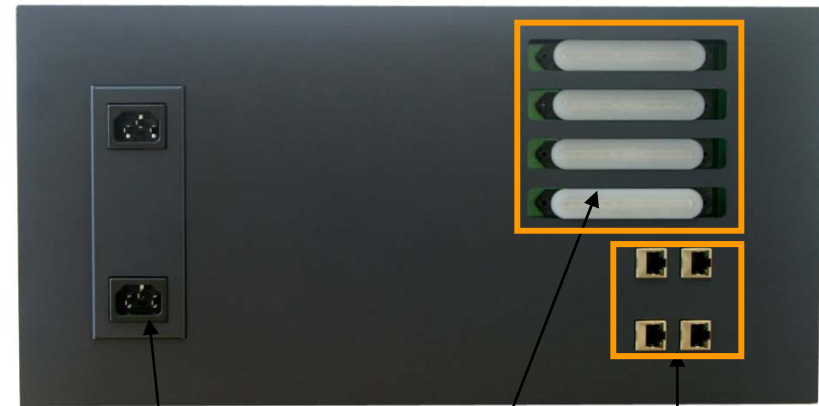
RISC
CPU

High-end
DSP



Active CPU Standby CPU 32Port FXS Board Power Module A Power Module B

Console Port



AC Power Input

32 Port Analog Interface Connector

Giga Ethernet Interface






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IPNext180 Hybrid IP-PBX

IPNext SMB IP-PBX Comparison Table

Model		IPNext250	IPNext230	IPNext210	IPNext190	IPNext180
Service Features						
Registration User Number		200	200	150	150	100
Concurrent Call User Number		100	60	50	50	30
IPv4/IPv6 Dual Stack Support		Support	Support	Support	Support	Support
VoIP Signaling	Internal	SIP	SIP	SIP	SIP	SIP
	External	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Powerful IVR, UMS, Media Service, User Presence Service		Support	Support	Support	Support	Support
RTP Proxy Service (IPv6, Private IP)		Support	Support	Support	Support	Support
LAN Port		2	2	2	2	2
VoIP Module Slots for PSTN		10 Slots (8 Port Module)	15 Slots (4 Port Module)	4 Slots (8 Port Module)	4 Slots (8 Port Module)	2 Slots (8 Port Module)
VoIP Interface		FXS, FXO, E1/T1	FXS, FXO, E&M, E1/T1	FXS, FXO, E&M, E1/T1	FXS, FXO, E1/T1	FXS, FXO, E1/T1

Main Features

IPNext180 Hybrid IP-PBX

- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- High Performance RISC & Programmable DSP Architecture
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- 2 Module Slots for VoIP Gateway Interface, Up to 16 Port (Analog)
- FXS, FXO Interface (8 Port VoIP Module) Module, Digital E1/T1 Module
- VoIP Gateway : G.711/G.726/G.723/G.729, T.38 Fax , VAD, etc
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- IPv4/IPv6 Dual Stack
- RTP Proxy Function Embedded for Private IP and IPv6 Address Interworking
- User Presence Service for Smart Multimedia Messenger and Smart IP Phone
- IVR Scenario Editor, Three Party Conference (G.711)
- Unified Messaging Service (Voice Mail, etc)
- Firmware Upgradeable Architecture
- Smart Multimedia Manager for IP-PBX Management
- Smart Messenger Service for UC
- Advanced Voice QoS Mechanism
- Various Call Scenario (Call Pickup, Call Park, Call Transfer, etc)
- Various IP Terminal Support (Video Phone, IP Phone, WiFi Phone, Soft Phone)

Hardware Specification

IPNext180 Hybrid IP-PBX

RISC
CPU

High-end
DSP

- RISC Microprocessor Computing Power
- Main Chassis
 - Fixed Network Interface
 - Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console (RJ45)
 - Two(2) VoIP Module Slots for FXS, FXO etc



Hardware Specification

IPNext180 Hybrid IP-PBX

RISC
CPU

High-end
DSP

IPNext 180 Front Side



LAN1 (10/100Mbps)

LAN0(10/100Mbps)

Console Port

Hardware Specification

IPNext180 Hybrid IP-PBX

RISC
CPU

High-end
DSP

IPNext 180 Back Side

PSTN Interface Module



Power Inlet

Power Switch



Hot-Swap Switch & LAMP Indication





Hardware Specification

IPNext180 Hybrid IP-PBX

RISC
CPU

High-end
DSP

- VoIP Interface Module

AP-N1-FXS8	 A black VoIP interface module with eight RJ11 ports labeled 0-7 and a central switch labeled 'HS'. The top left has 'LINE' labels and the top right has 'AP-N1-FXS8'.	8-Port FXS Voice Processing Module (8 x RJ11)
AP-N1-FXO8	 A black VoIP interface module with eight RJ11 ports labeled 0-7 and a central switch labeled 'HS'. The top left has 'LINE' labels and the top right has 'AP-N1-FXO8'.	8-Port FXO Voice Processing Module (8 x RJ11)
AP-N1-FXO4S4	 A black VoIP interface module with four RJ11 ports labeled 0-3 on the left and four on the right, and a central switch labeled 'HS'. The top left has 'LINE' labels and the top right has 'AP-N1-FXO8'.	4-Port FXO and 4-Port FXS Voice Processing Module (8 x RJ11)
AP-N1-E1T1	 A black VoIP interface module with a green PCB on top, a single RJ45 port, and a central switch labeled 'HS'. The top right has 'AP-N1-E1T1' and the bottom left has 'POWER', 'ACT', and 'LOS' labels.	1-Port VoIP Digital E1/T1 Interface Module(1xRJ45)

AP-IP300 IP Phone



Main Features

AP-IP300 IP Phone

- 4.3 Inch Color LCD Display
- External I/O Interface
 - Audio In/Out
 - Two(2) Fast Ethernet Interface
 - PSTN FXO Interface (optional)
- PoE (Power over Ethernet) Support
- 25 Speed Dial button with Presence Indication Lamp
- Audio Broadcasting Controller & Terminal
- Providing Powerful Push-to-Talk Service
- Powerful Color GUI
- IPv4/IPv6 Address Support
- SIP, H.323 Signaling Support
- High-end Error Resilient Against Various Packet Error

Hardware Specification

AP-IP300 IP Phone

- RISC+DSP Microprocessor Computing Power (Dual Processor Architecture)
- High Quality 4.3 Inch Color LCD Panel
- 25 Speed Dial Key & User Presence Indication LED
- Optional PSTN Backup Interface
 - FXO Interface
- High quality Audio and Voice Interface
 - Stereo Audio Input Connector
 - Stereo Audio Output Connector
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet
- USB Host Mode Interface
 - USB Memory(Flash, HDD), etc
- Power Supply
 - Power over Ethernet
 - External Power Adaptor (5V, 3A)



Hardware Specification

AP-IP300 IP Phone





AP-PT50 Extend Key Box

IP Extend Key Pack Comparison Table

Model	AP-PT100	AP-PT50	AP-PT20
Service Features			
Key Type	7 inch LCD Touch Screen	Push Button with User Presence Indication LAMP	Push Button with User Presence Indication LAMP
Key Number	Default : 9(row) x 4(column) = 36	60 Key	40 Key
User Presence Indication	Support	LED on, LED off, LED Blink	LED on, LED off, LED Blink
Multiple Cascading	Support	Support	Support
Speaker	Support	Support	Support
LAN Port	2	2	2
PoE(Optional)	Support	Support	Support
Application	IP Phone or Video Phone Extend Key Pack	IP Phone or Video Phone Extend Key Pack	IP Phone or Video Phone Extend Key Pack

Main Features

AP-PT50 IP Extend Key Pack

- Speed Dialing Terminal with User Presence Indication LAMP
- 60 (3 Column x 20 Row) Speed-Dial Key Buttons
- Inter-working with IP Terminal, Presence Server, Call Manager
- Multiple Terminal Cascading Feature
- User Presence Indication LED (on, off, blink)
- User Presence Group Feature
- Firmware Upgradeable Architecture
- PoE (Power over Ethernet) Function

Hardware Specification

AP-PT50 IP Extend Key Pack

RISC
CPU

- RISC+DSP Microprocessor Computing Power
- 60 Speed Dial Key with User Presence LAMP
- Optional PoE (Power over Ethernet) Interface
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet
- Power Supply
 - Power over Ethernet (Option)
 - External Power Adaptor (5V, 2A)
 - Power Switch
- Connector for Cascading

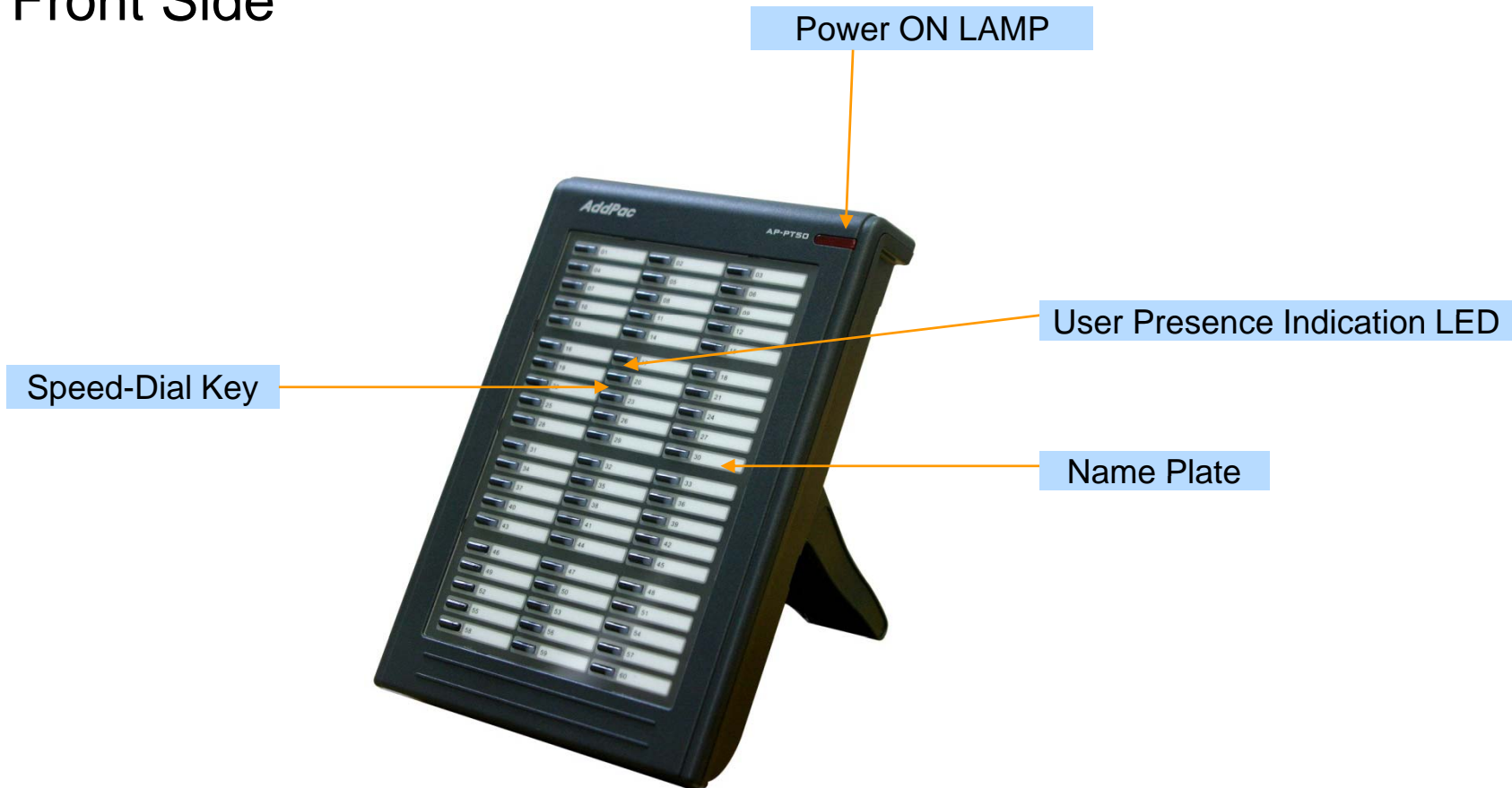


Hardware Specification

AP-PT50 IP Extend Key Pack

RISC
CPU

Front Side

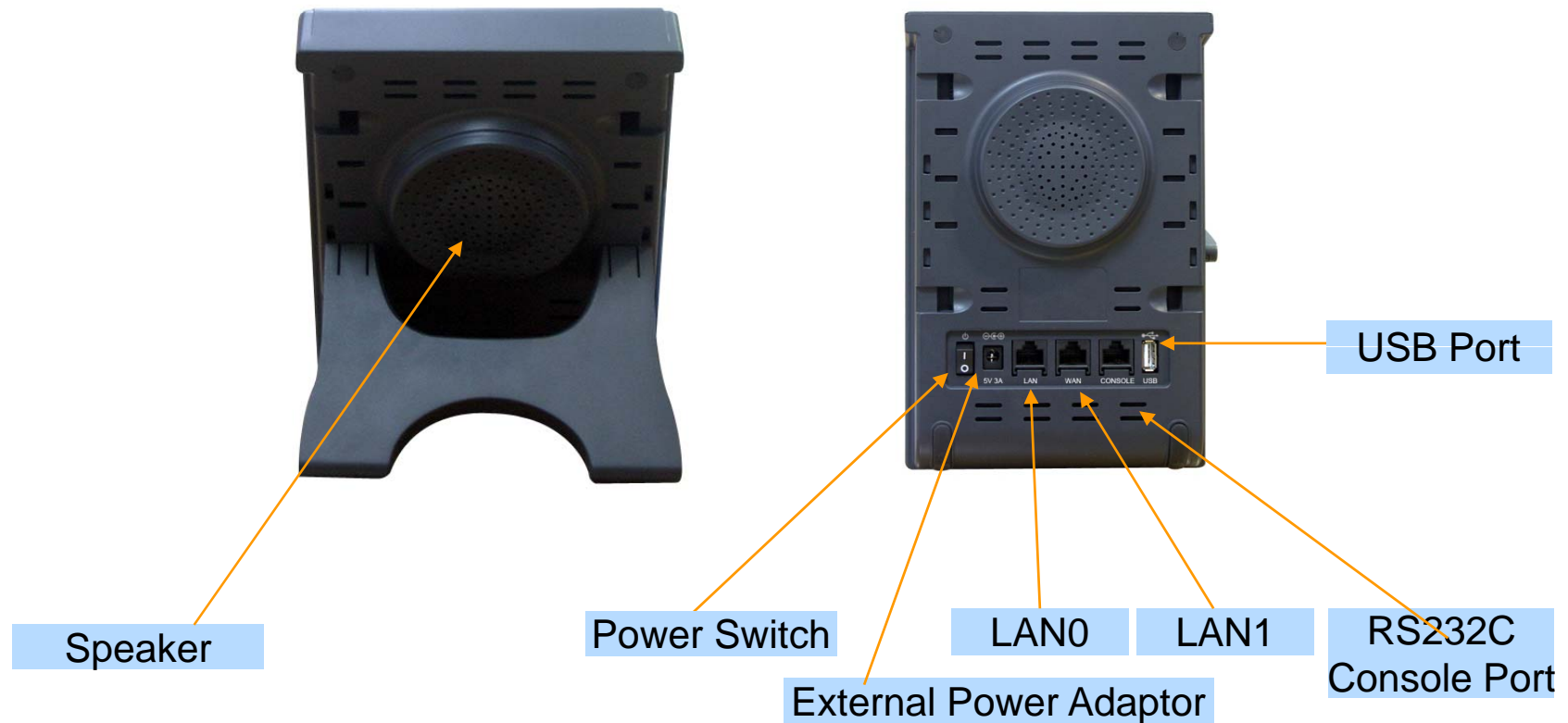


Hardware Specification

AP-PT50 IP Extend Key Pack

RISC
CPU

Back Side





Thank you!

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