IP Video Phone Solution



AddPac

AddPac Technology

Sales and Marketing

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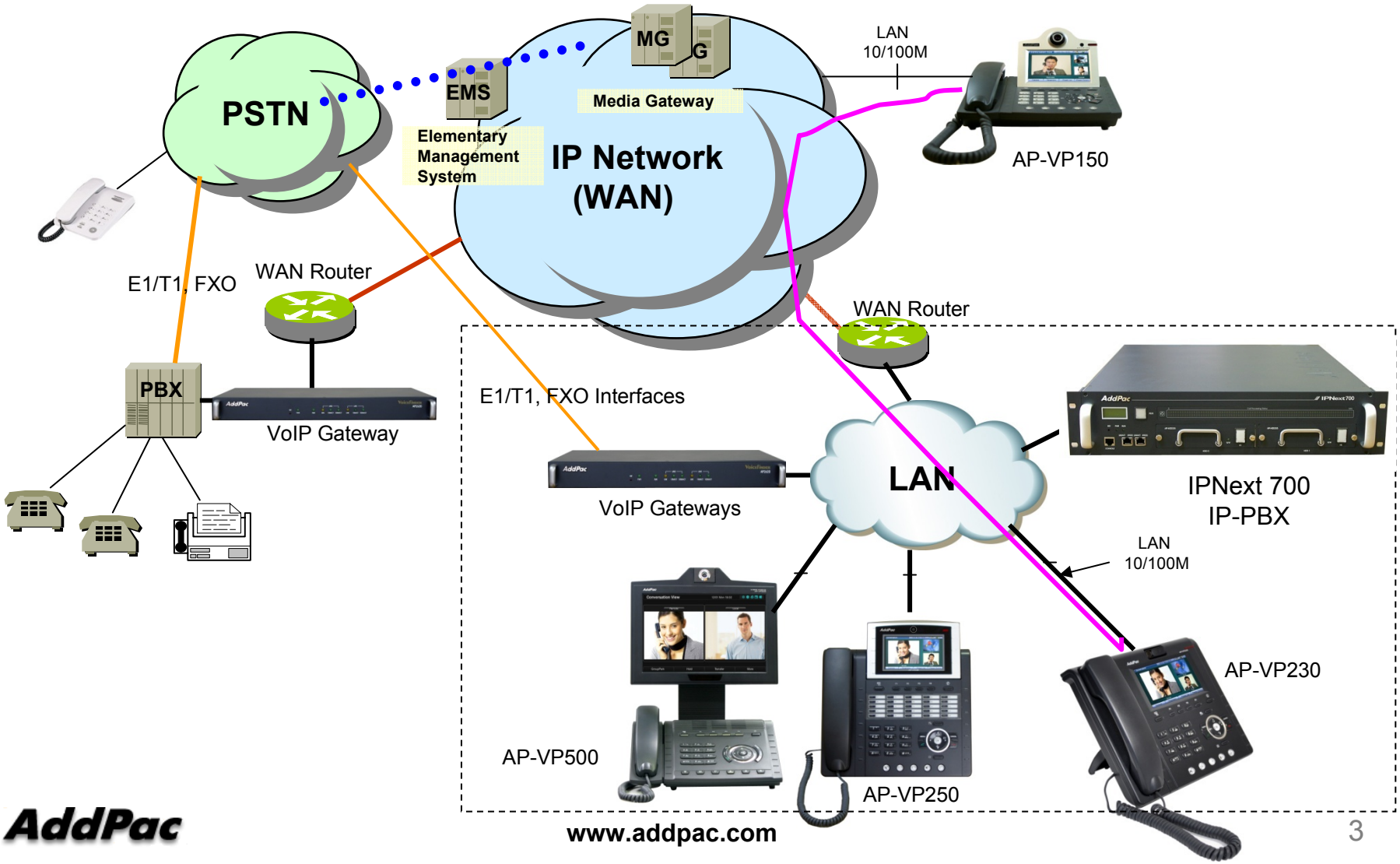
IP Video Phone Service Diagram



IP Video Phone Comparison Table

	AP-VP500	AP-VP350	AP-VP300N	AP-VP280	AP-VP250	AP-VP230	AP-VP150	AP-VP120
								
LCD Size	12.1 Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	4.3Inch Touch Screen	5Inch Touch Screen	4.3Inch Touch Screen	4.3Inch
Camera	CCD	CCD	CCD	CMOS	CMOS	CMOS	CCD	CMOS
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Video MCU	N/A	4-Party Video MCU	N/A	N/A	N/A	N/A	N/A	N/A
Voice MCU	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party
LAN Port	2	2	2	2	2	2	2	2
PoE	N/A	N/A	Support	Support	Support	Support	Support	Support

AP-VP500
Video Phone

Video Phone

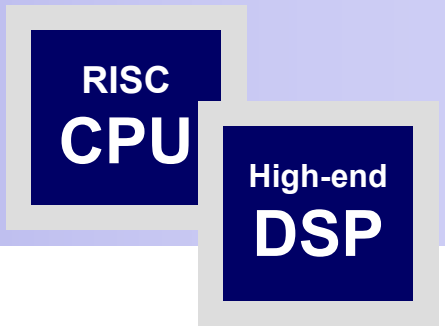
AP-VP500 Video Phone

Main Features

- 12.1 Inch LCD Display, Built-in 4M Pixel CCD Camera
- HD (720P) Display, HD OSD Design
- External Video Interface
  - Composite (RCA) Video In/Out, S-Video Out, Component Out
  - Audio (RCA) In/Out
- H.323/SIP Concurrent Stack Embedded
- High Performance RISC & Programmable DSP Architecture
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, 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

Video Phone

AP-VP500 Video Phone



Hardware Specification

- RISC Microprocessor Computing Power
- 12.1 Inch Color LCD Panel with Touch Screen
- 4M Pixel CCD Camera
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/output, S-Video Output Interface, Component (720P) Video Output Interface
- High quality Audio and Voice Interface
  - Stereo Audio Input Connector
  - Stereo Audio Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet (RJ45)
- USB Interface
  - USB 1.0 Master Interface for USB HDD, USB Flash Memory, USB Keyboard, USB Mouse
- Remote Controller
- FXO PSTN Backup

Video Phone

AP-VP500 Video Phone

RISC CPU

High-end DSP

Hardware Specification



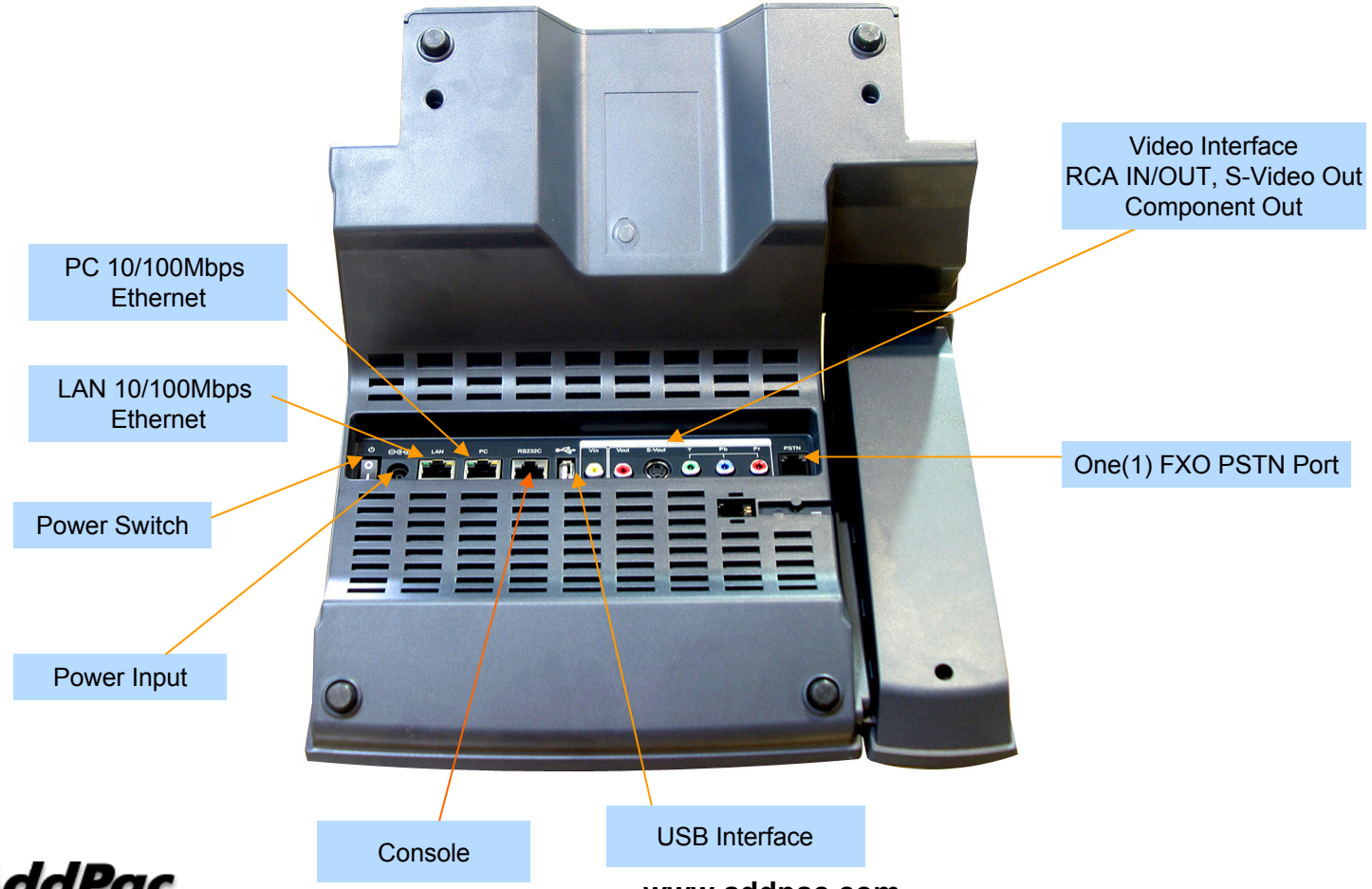
Video Phone

AP-VP500 Video Phone

RISC CPU

High-end DSP

Hardware Specification



AP-VP350
MCU Video Phone

Video Phone

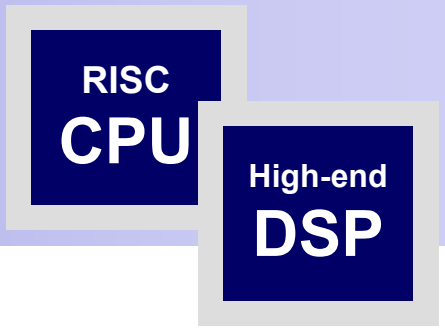
AP-VP350 MCU Video Phone

Main Features

- Built-In Video MCU (4-Party Conference)
- Dual Monitor & Dual Monitor Emulation
- Document Sharing with PC Software
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, 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

Video Phone

AP-VP350 MCU Video Phone



Hardware Specification

- RISC Microprocessor Computing Power
- 7 Inch Color LCD Panel with Touch Screen
- CCD Camera
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/output, S-Video Output Interface
- High quality Audio and Voice Interface
  - Stereo Audio Input Connector
  - Stereo Audio Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet (RJ45)
- USB Interface
  - USB 1.0 Master Interface for USB HDD, USB Flash Memory, USB Keyboard, USB Mouse
- Remote Controller
- FXO PSTN Backup

Video Phone

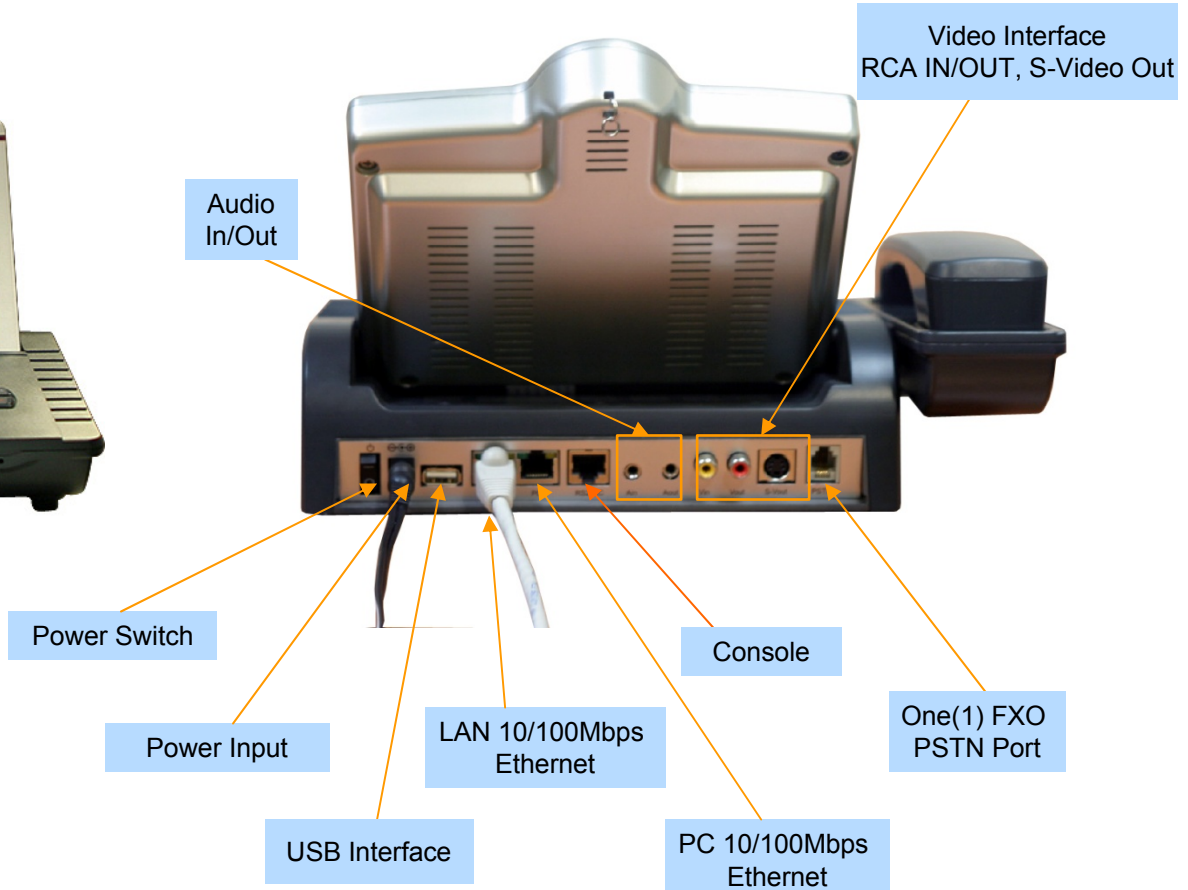
AP-VP350 MCU Video Phone

RISC CPU

High-end DSP

Hardware Specification





AP-VP300N
Video Phone

Video Phone

AP-VP300N Video Phone

Main Features

- 7 Inch LCD Display, Touch Screen, Remote Controller
- Dual Monitor & Dual Monitor Emulation
- Document Sharing with PC Software
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, 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

Video Phone

AP-VP300N Video Phone

RISC CPU

High-end DSP

Hardware Specification

- RISC Microprocessor Computing Power
- CCD Image Sensor, Samsung LCD, Touch Screen
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
  - Stereo Audio Input & Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
  - One(1) RS-232C Console
  - One(1) USB 1.0 Interface
- PSTN Interface
  - One(1) FXO(RJ11) interface
- Power Supply
  - *External DC adaptor (5V)*
  - *PoE (Power over Ethernet)*



Video Phone

AP-VP300N Video Phone

RISC CPU

High-end DSP

Hardware Specification





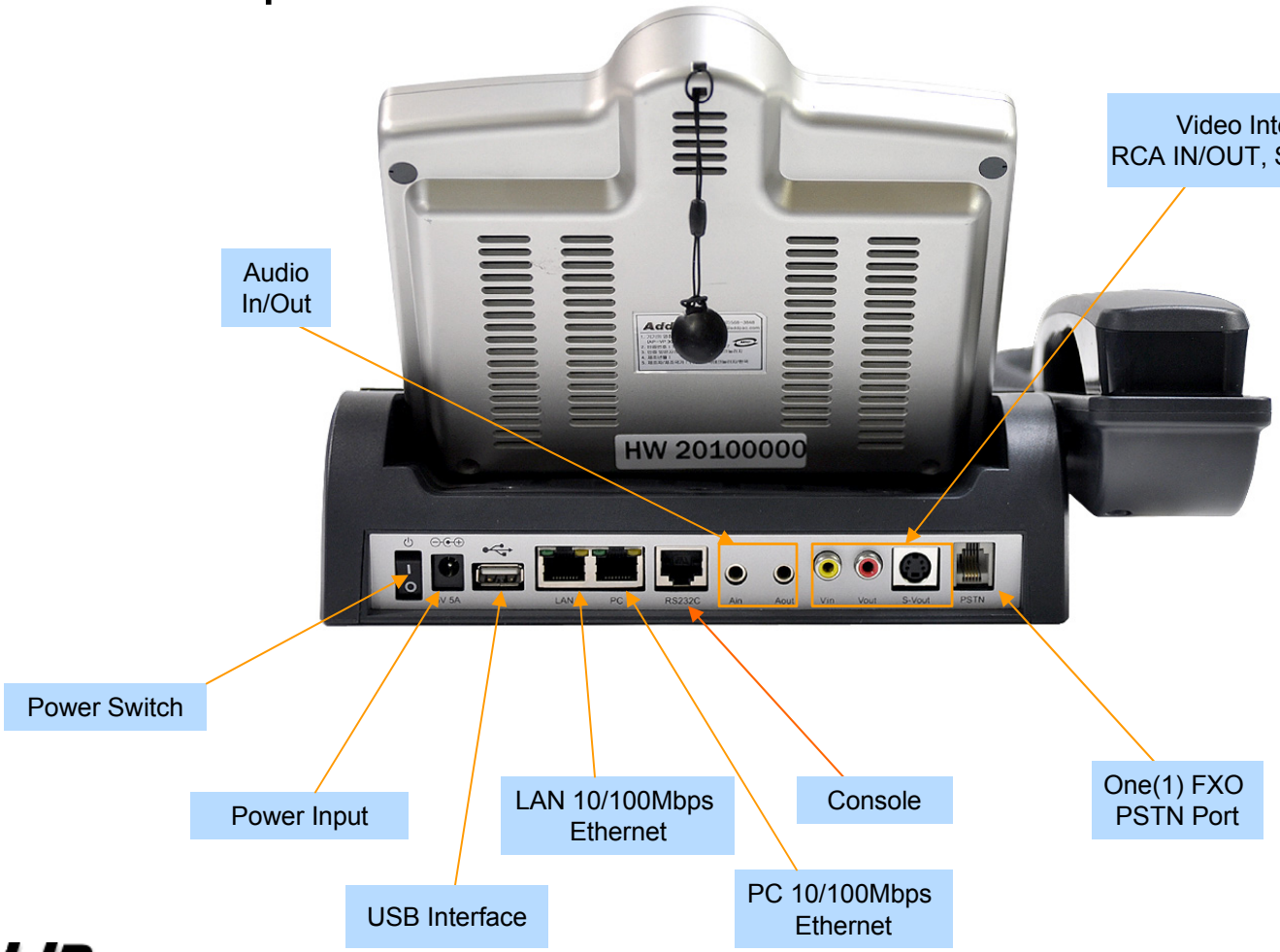
Video Phone

AP-VP300N Video Phone

RISC CPU

High-end DSP

Hardware Specification



AP-VP280
Video Phone

Video Phone

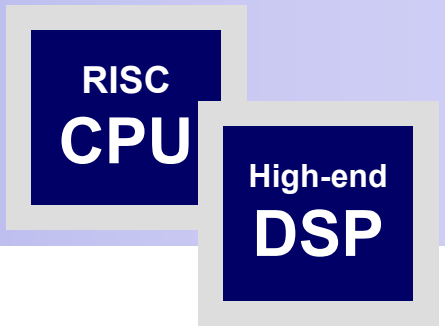
AP-VP280 Video Phone

Main Features

- 7 Inch LCD Display, Touch Screen
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, etc
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Rate Control for Video Traffic QoS
  - Ensuring Optimized Quality, Frame Rate with Limited Bandwidth
- Firmware Upgradeable Architecture
- VPMS (VoIP Plug&Play Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Video Phone

AP-VP280 Video Phone



Hardware Specification

- RISC Microprocessor Computing Power
- CMOS Image Sensor, Samsung LCD, Touch Screen
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
  - Stereo Audio Input & Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
  - One(1) RS-232C Console
  - One(1) USB 1.0 Interface
- PSTN Interface
  - One(1) FXO(RJ11) interface
- Power Supply
  - *External DC adaptor (5V)*
  - *PoE (Power over Ethernet)*

Video Phone

AP-VP280 Video Phone

RISC CPU

High-end DSP

Hardware Specification



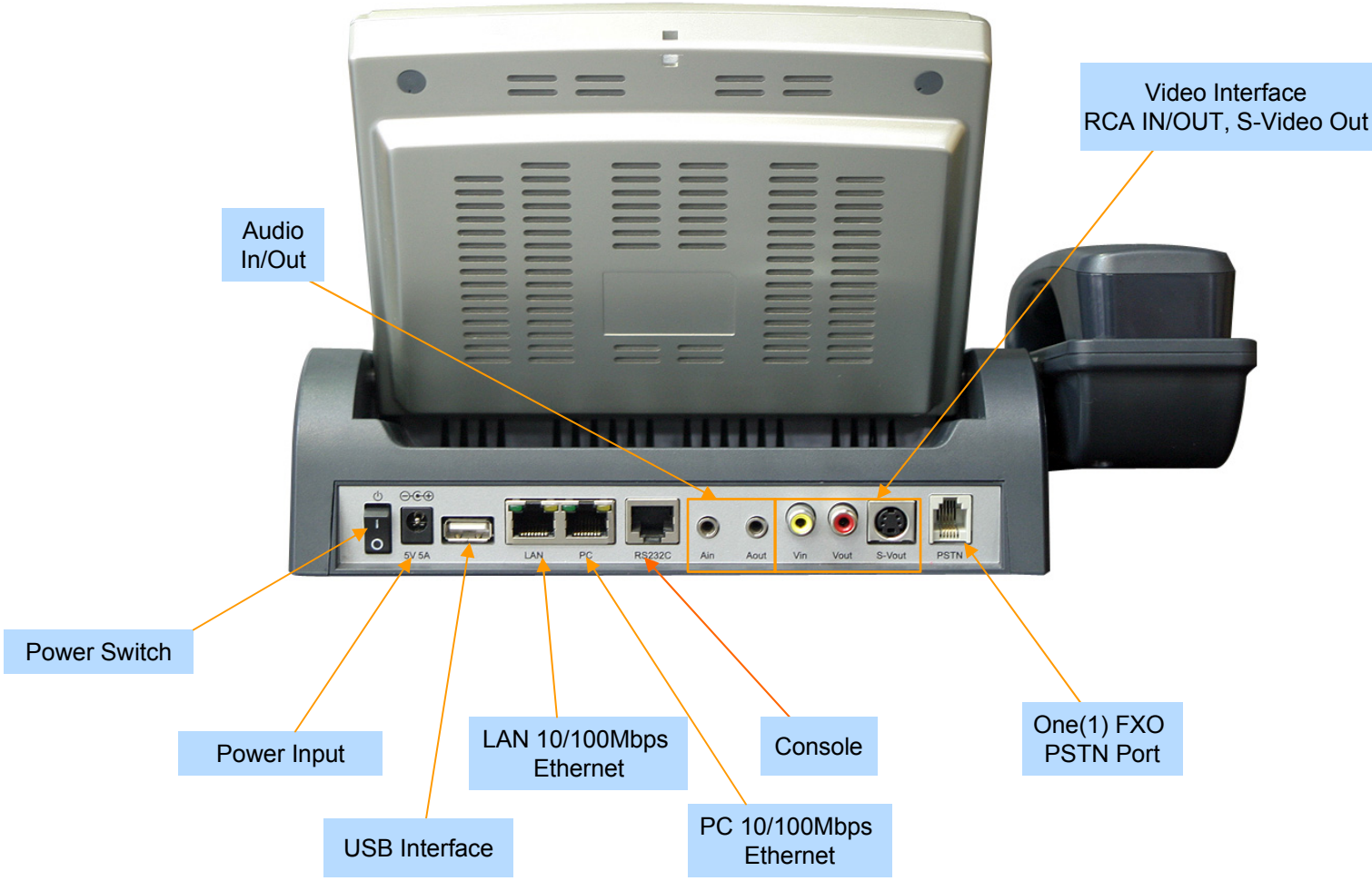
Video Phone

AP-VP280 Video Phone

RISC CPU

High-end DSP

Hardware Specification



AP-VP250
Video Phone

Video Phone

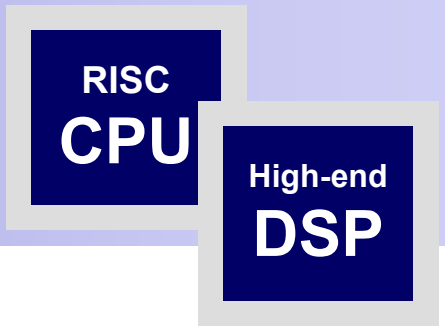
AP-VP250 Video Phone

Main Features

- 4.3 Inch Color LCD Display, Touch Screen
- 25 Speed-Dial Keys with User Presence LED
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, 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

Video Phone

AP-VP250 Video Phone



Hardware Specification

- RISC Microprocessor Computing Power
- CMOS Image Sensor, Samsung LCD, Touch Screen
- 25 Speed Dial Keys with User Presence LED
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
  - Stereo Audio Input & Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
  - One(1) USB 1.0 Interface
- PSTN Interface
  - One(1) FXO(RJ11) interface
- Power Supply
  - *External DC adaptor (5V)*
  - *PoE (Power over Ethernet)*

Video Phone

AP-VP250 Video Phone

RISC CPU

High-end DSP

Hardware Specification



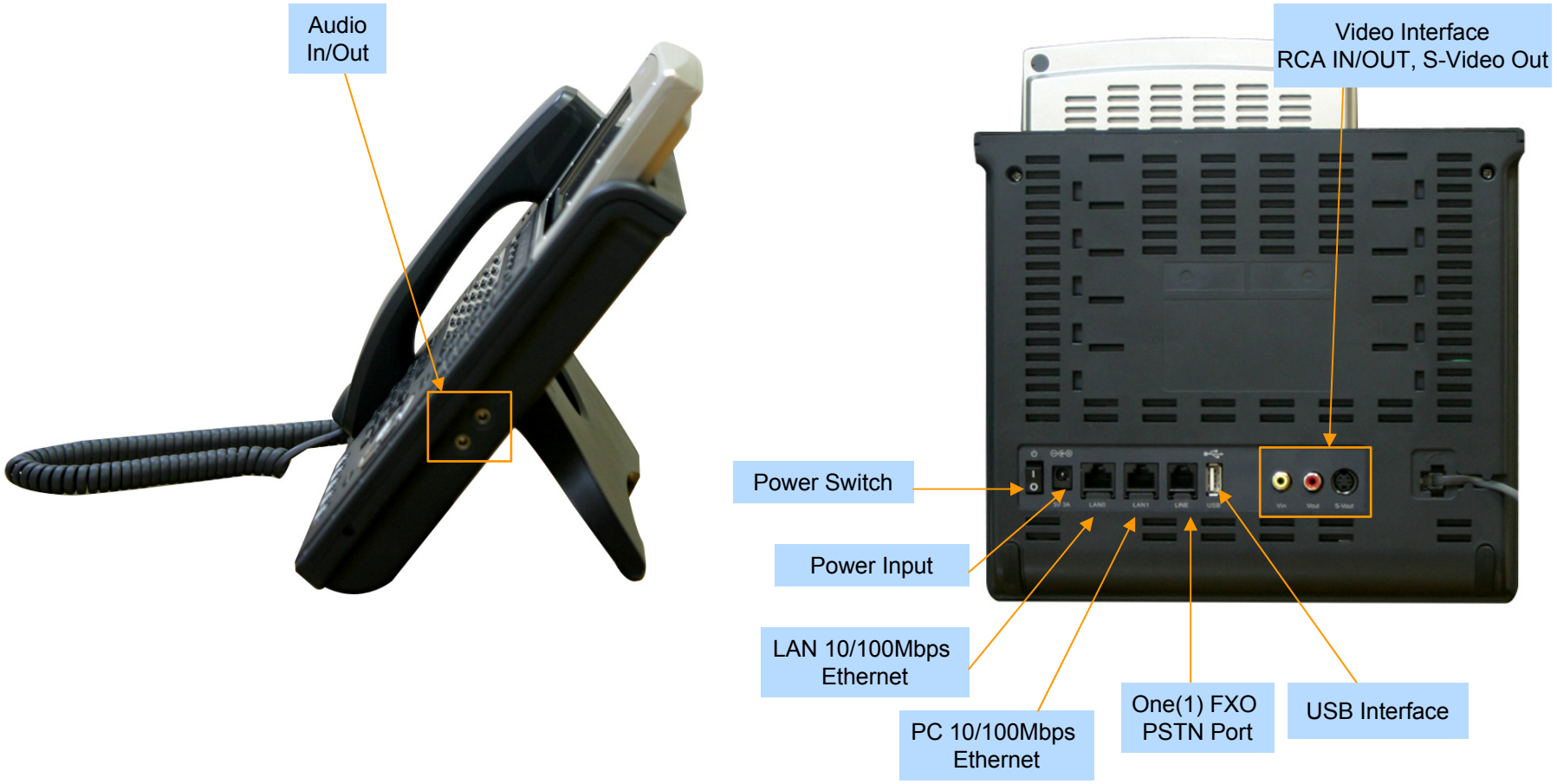
Video Phone

AP-VP250 Video Phone

RISC CPU

High-end DSP

Hardware Specification



AP-VP230
Video Phone

Video Phone

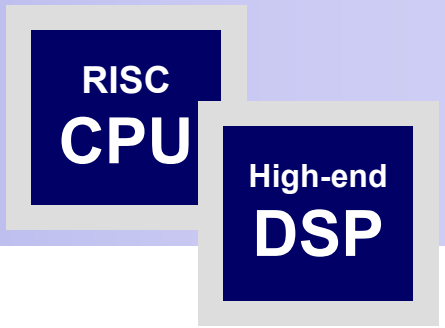
AP-VP230 Video Phone

Main Features

- 5 Inch Color LCD Display, Touch Screen
- Touch Screen based 25 Speed-Dial Keys
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, 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

Video Phone

AP-VP230 Video Phone



Hardware Specification

- RISC Microprocessor Computing Power
- CMOS Image Sensor
- 5 Inch Color LCD with Touch Screen
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
  - Stereo Audio Input & Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
  - One(1) USB 1.0 Interface
- PSTN Interface
  - One(1) FXO(RJ11) interface
- Power Supply
  - *External DC adaptor (5V)*
  - *PoE (Power over Ethernet)*

Video Phone

AP-VP230 Video Phone

RISC CPU

High-end DSP

Hardware Specification



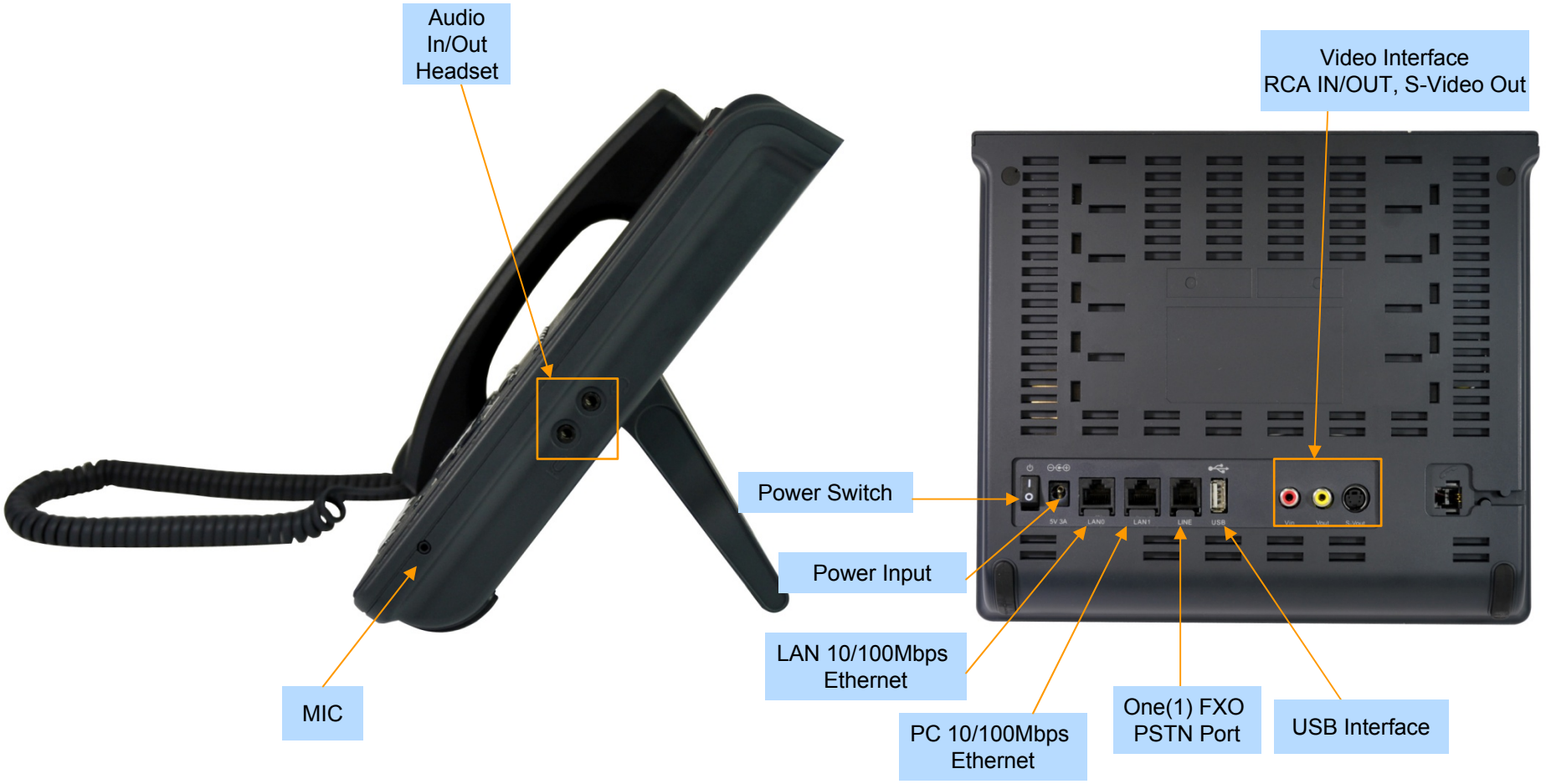
Video Phone

AP-VP230 Video Phone

RISC CPU

High-end DSP

Hardware Specification



AP-VP150
Video Phone

Video Phone

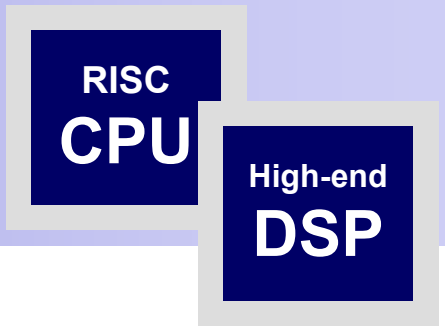
AP-VP150 Video Phone

Main Features

- 4.3 Inch Color LCD Display, Touch Screen
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, etc
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Rate Control for Video Traffic QoS
  - Ensuring Optimized Quality, Frame Rate with Limited Bandwidth
- Firmware Upgradeable Architecture
- VPMS (VoIP Plug&Play Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Video Phone

AP-VP150 Video Phone



Hardware Specification

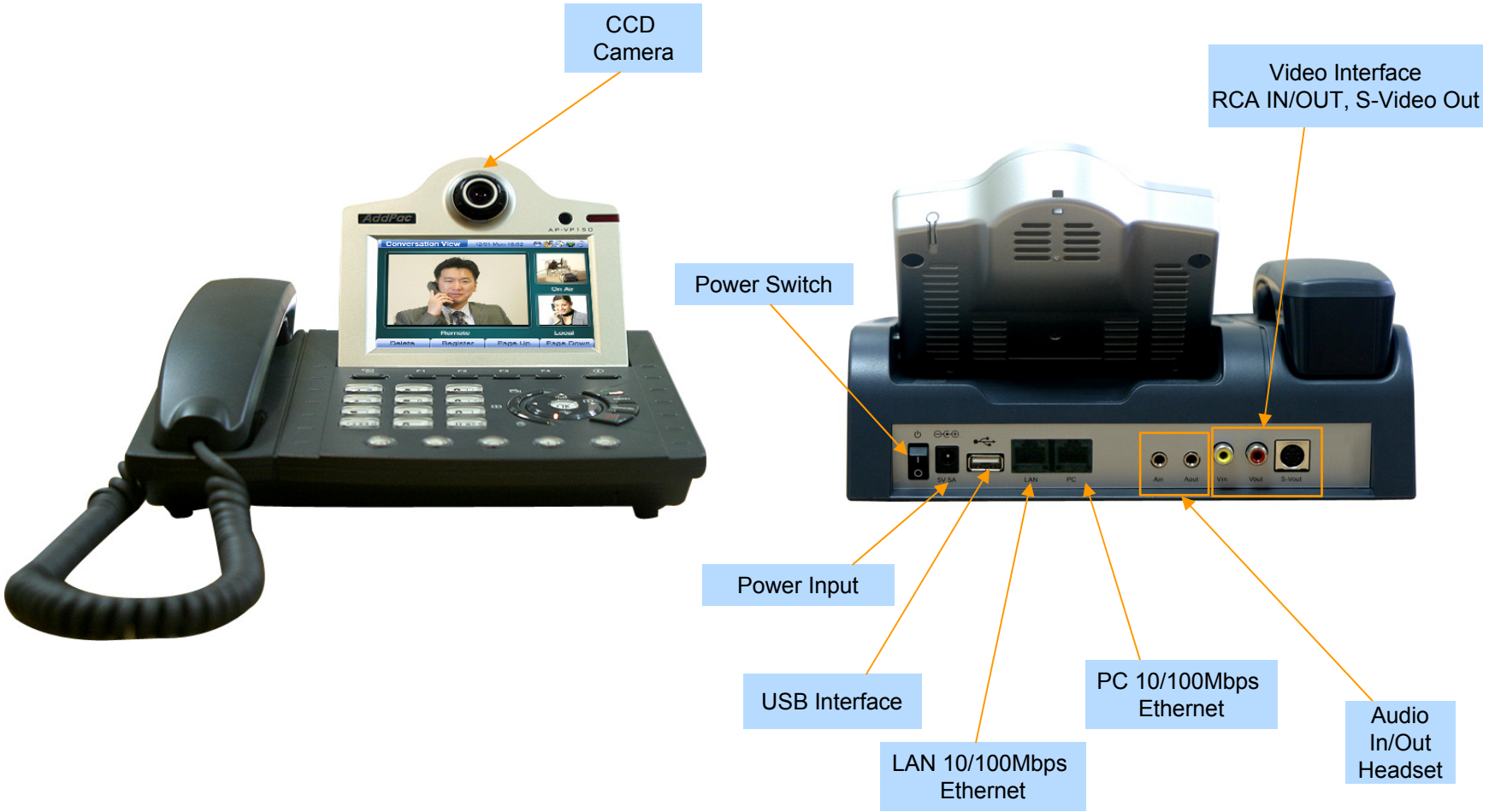
- RISC Microprocessor Computing Power
- CCD Image Sensor
- 4.3 Inch Color LCD with Touch Screen
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
  - Stereo Audio Input & Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
  - One(1) USB 1.0 Interface
- PSTN FXO(RJ11) Interface : Option
- IrDA Remote Controller : Option
- Power Supply
  - *External DC adaptor (5V)*
  - *PoE (Power over Ethernet)*

Video Phone

AP-VP150 Video Phone

RISC CPU

High-end DSP



AP-VP120
Video Phone

Video Phone

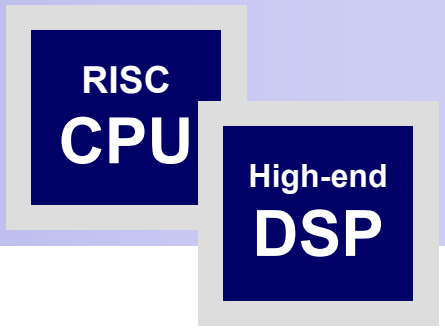
AP-VP120 Video Phone

Main Features

- 4.3 Inch Color LCD Display, Touch Screen
- H.323/SIP Concurrent VoIP Signaling Stack Embedded
- High-performance Video Codec Support
  - H.263, MPEG-4, JPEG, and H.264
- Powerful Image Resolution Support
  - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Two(2) 10/100Mbps Fast Ethernet (IP Share ,etc)
- G.711/G.726/G.723/G.729, etc
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Rate Control for Video Traffic QoS
  - Ensuring Optimized Quality, Frame Rate with Limited Bandwidth
- Firmware Upgradeable Architecture
- VPMS (VoIP Plug&Play Management System) for Large Scale Deployment
- Advanced Voice QoS Mechanism

Video Phone

AP-VP120 Video Phone



Hardware Specification

- RISC Microprocessor Computing Power
- CMOS Image Sensor
- 4.3 Inch Color LCD with Touch Screen
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
  - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
  - Stereo Audio Input & Output Connector
- Network Interface
  - Two(2) 10/100Mbps Fast Ethernet
  - One(1) USB 1.0 Interface
- PSTN FXO(RJ11) Interface : Option
- Power Supply
  - *External DC adaptor (5V)*
  - *PoE (Power over Ethernet)*

Video Phone

AP-VP120 Video Phone

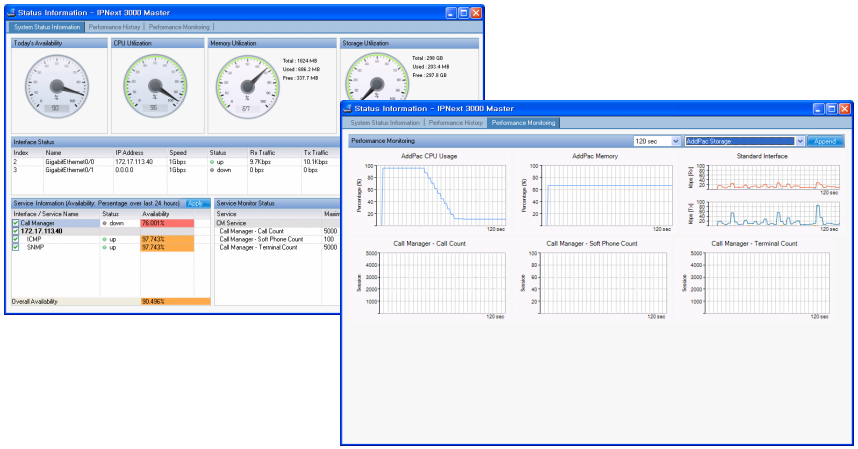
RISC CPU

High-end DSP



Smart NMS

Smart Network Management System for Video Phone



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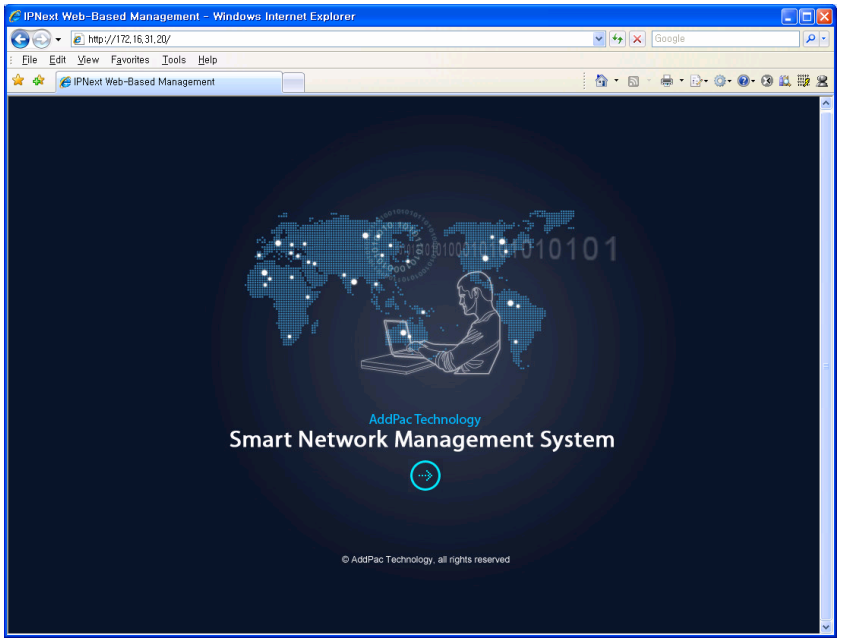
- Network Resource Management
- Device Fault Management
- Device Fault History Management
- Device Status Information
- Notification Management
- Fault Statistics
- Model & Service Management



System Requirement

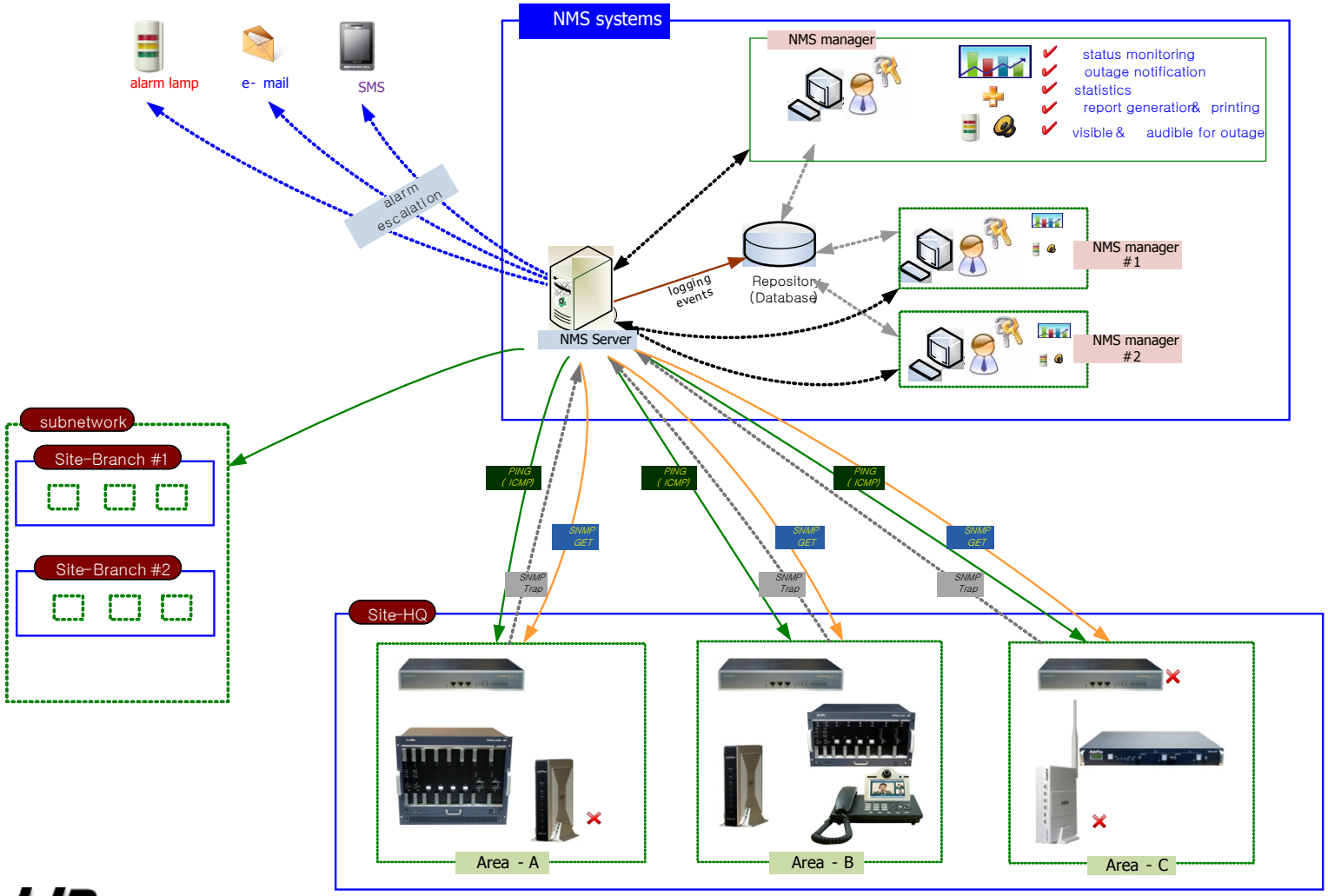
NMS Server

- 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

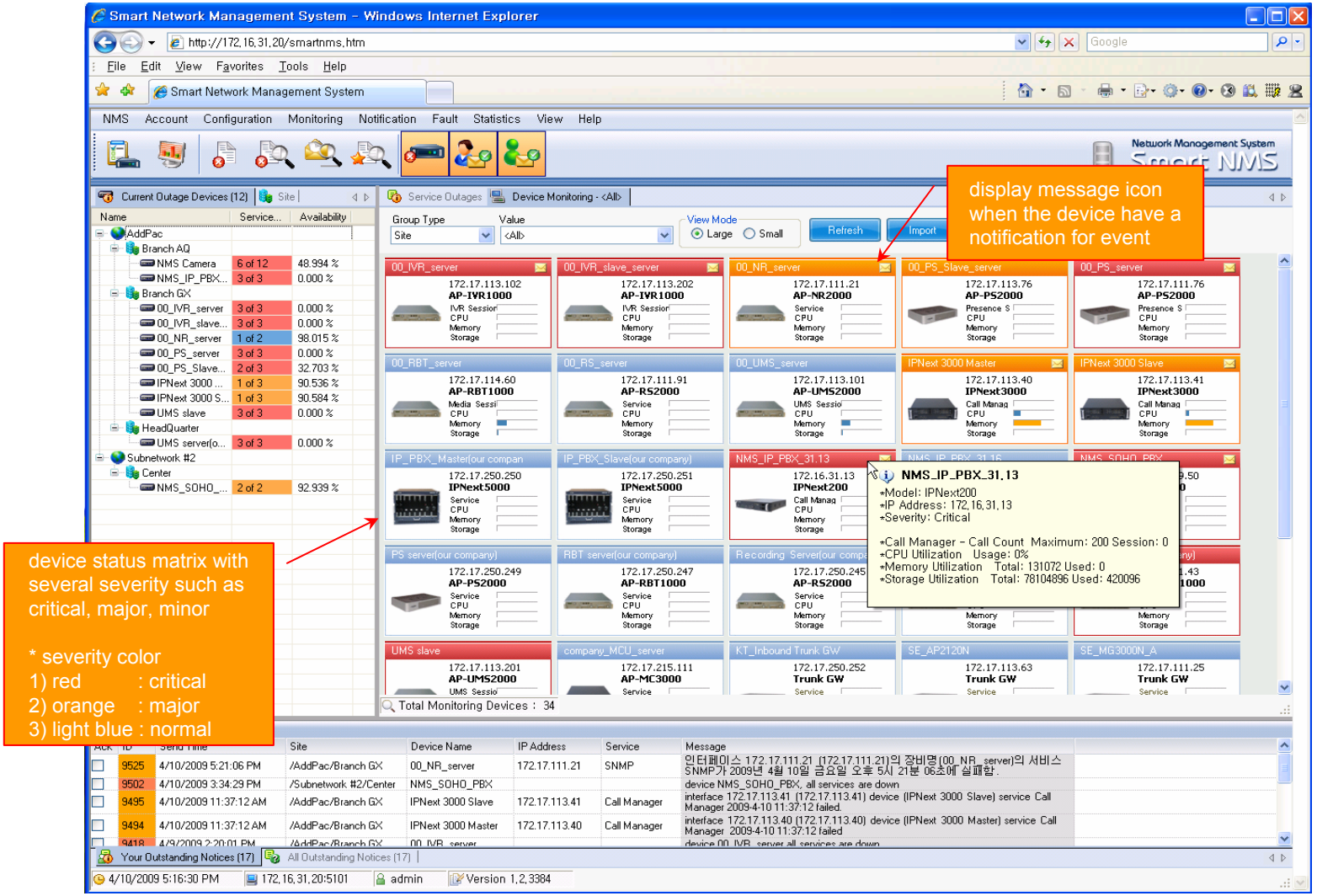
NMS Client

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

NMS Networking Diagram



Ex: Device Fault Management



Thank you!

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