# IP Video Phone Solution




**AddPac Technology**

Sales and Marketing

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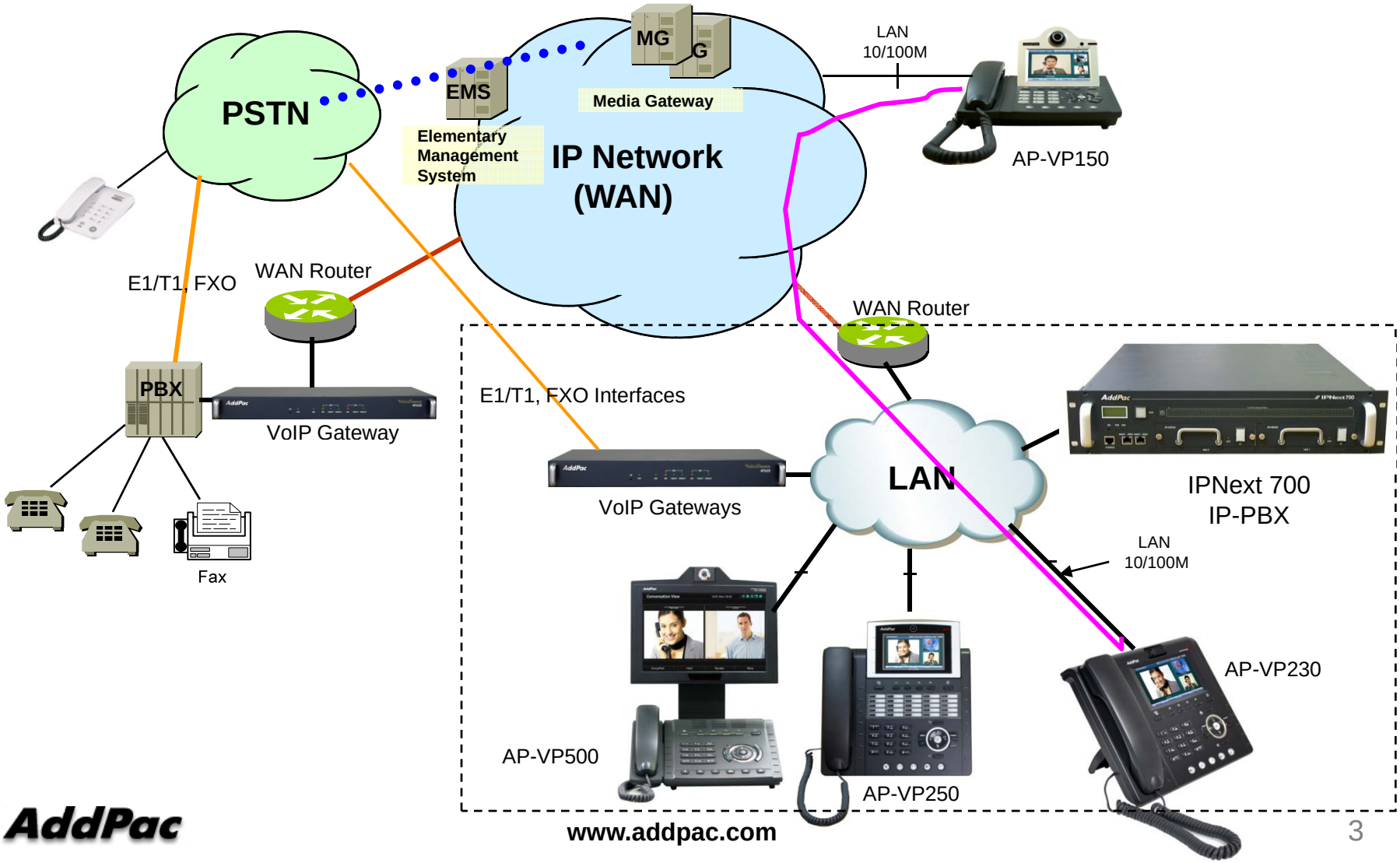
# IP Video Phone Service Diagram



# 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 | N/A | Support | Support | Support | Support |

# AP-VP500
# Video Phone

# Video Phone

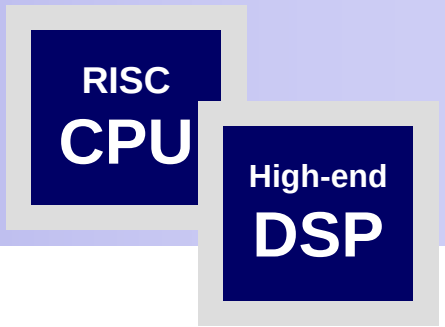
## AP-VP500 Video Phone

### 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



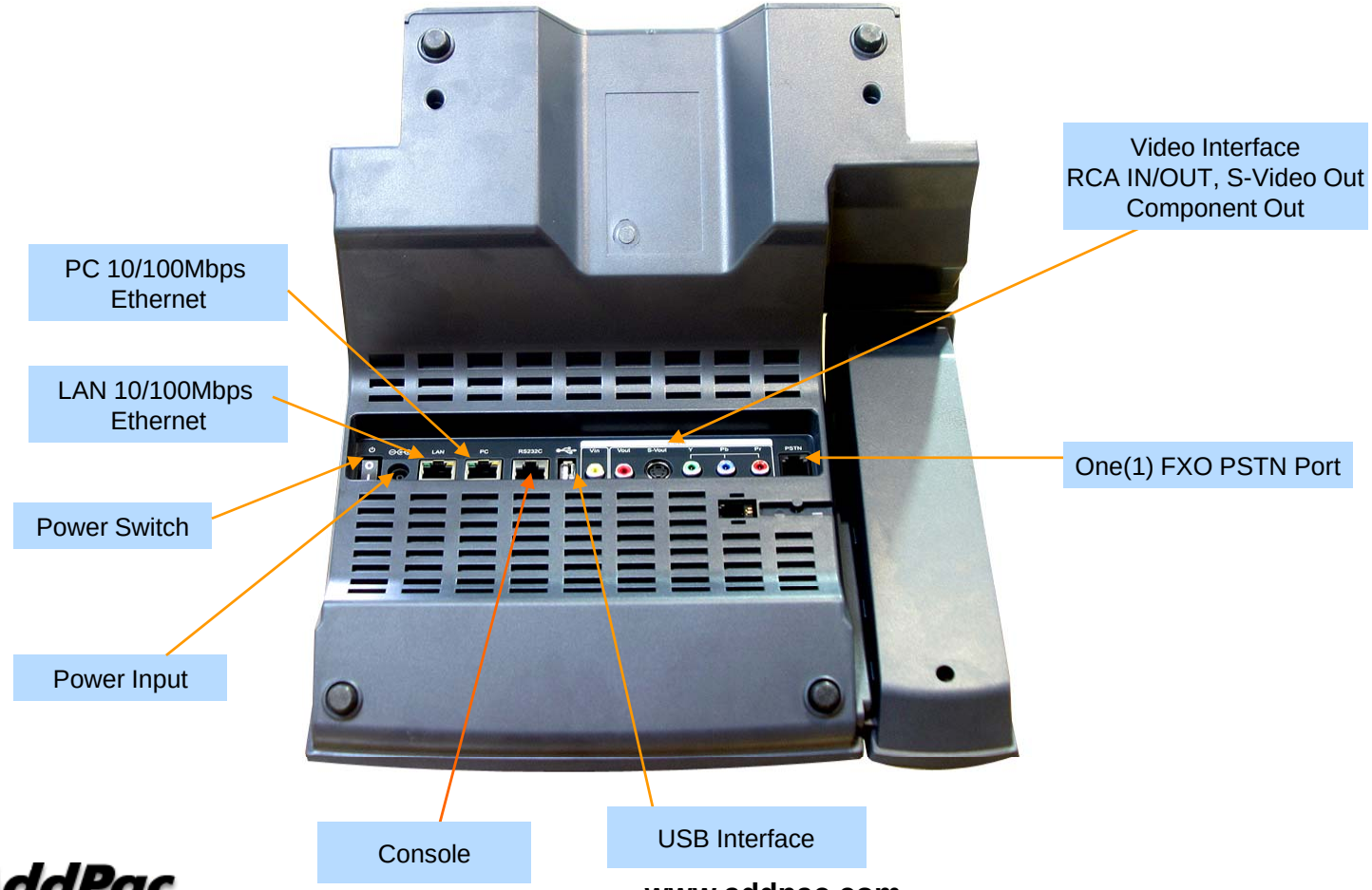
# Video Phone

## AP-VP500 Video Phone

RISC CPU

High-end DSP

## Hardware Specification



# AP-VP350
# MCU Video Phone

# Video Phone

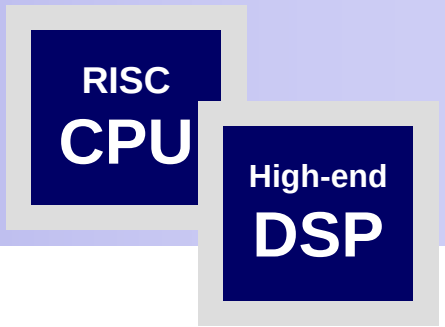
## AP-VP350 MCU Video Phone

### 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

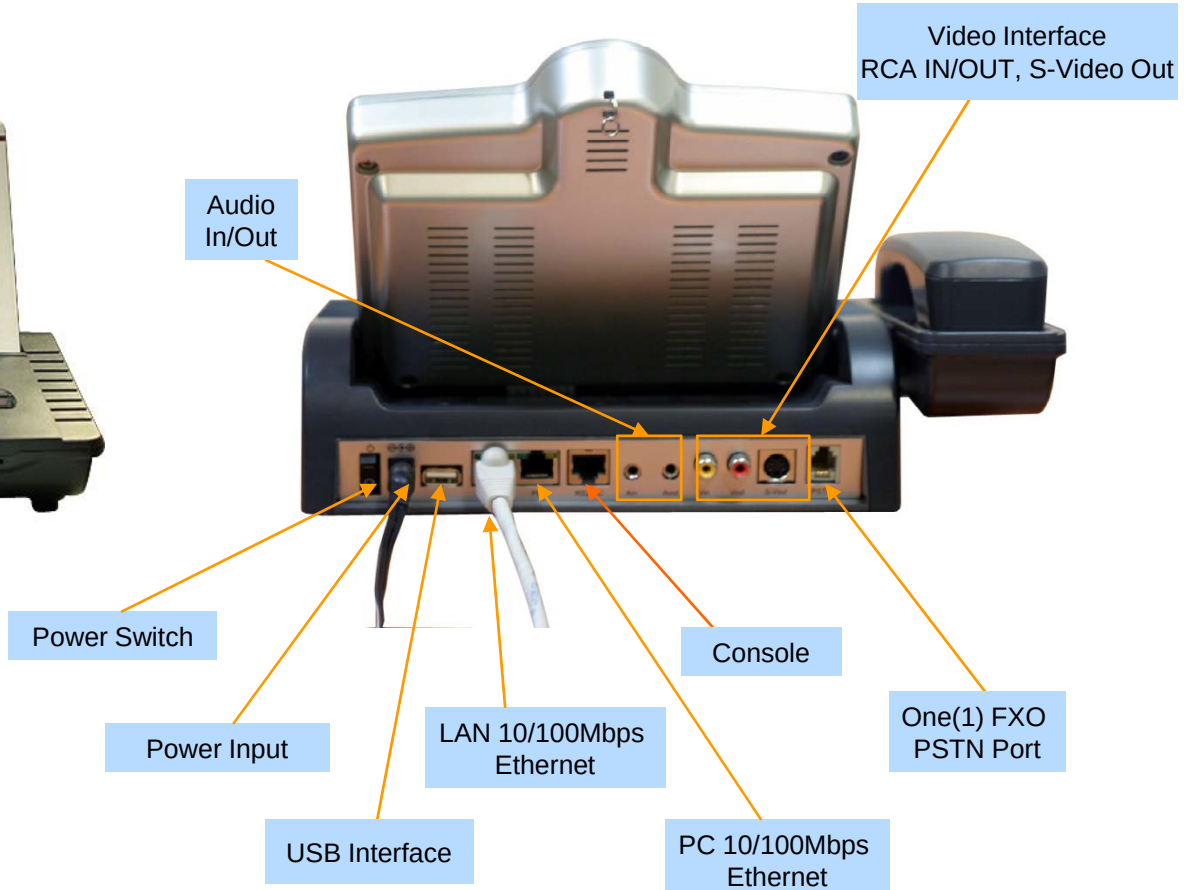
## AP-VP350 MCU Video Phone

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





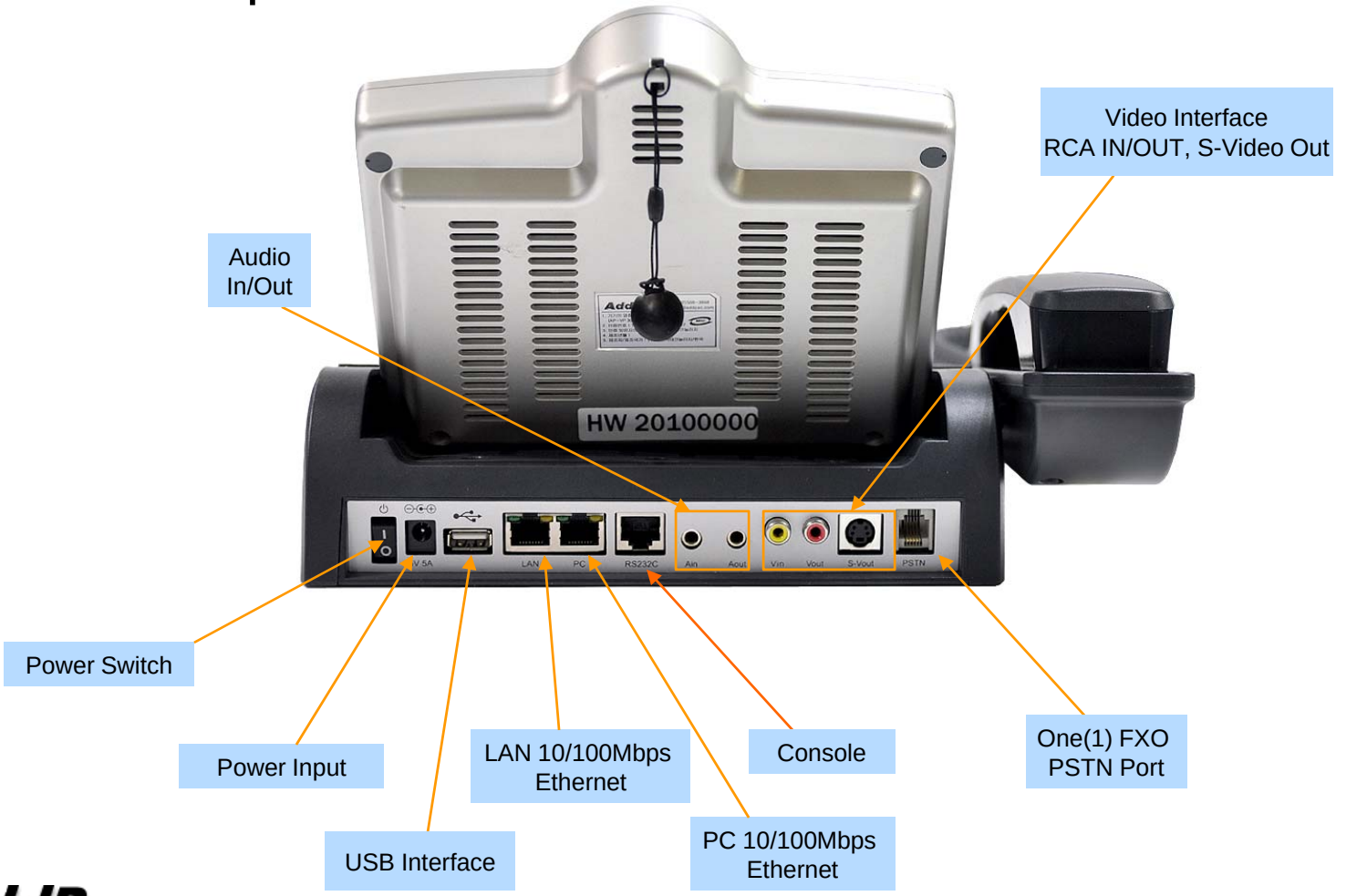

# Video Phone

## AP-VP300N Video Phone

RISC CPU

High-end DSP

## Hardware Specification



# AP-VP280
# Video Phone

# Video Phone

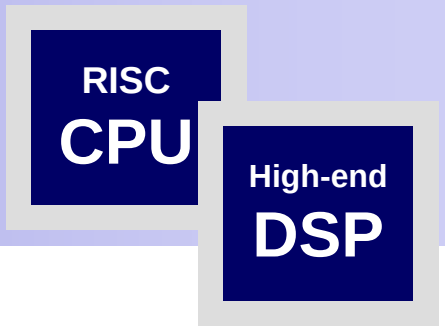
## AP-VP280 Video Phone

### 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)*

# Video Phone

## AP-VP280 Video Phone

RISC CPU

High-end DSP

## Hardware Specification



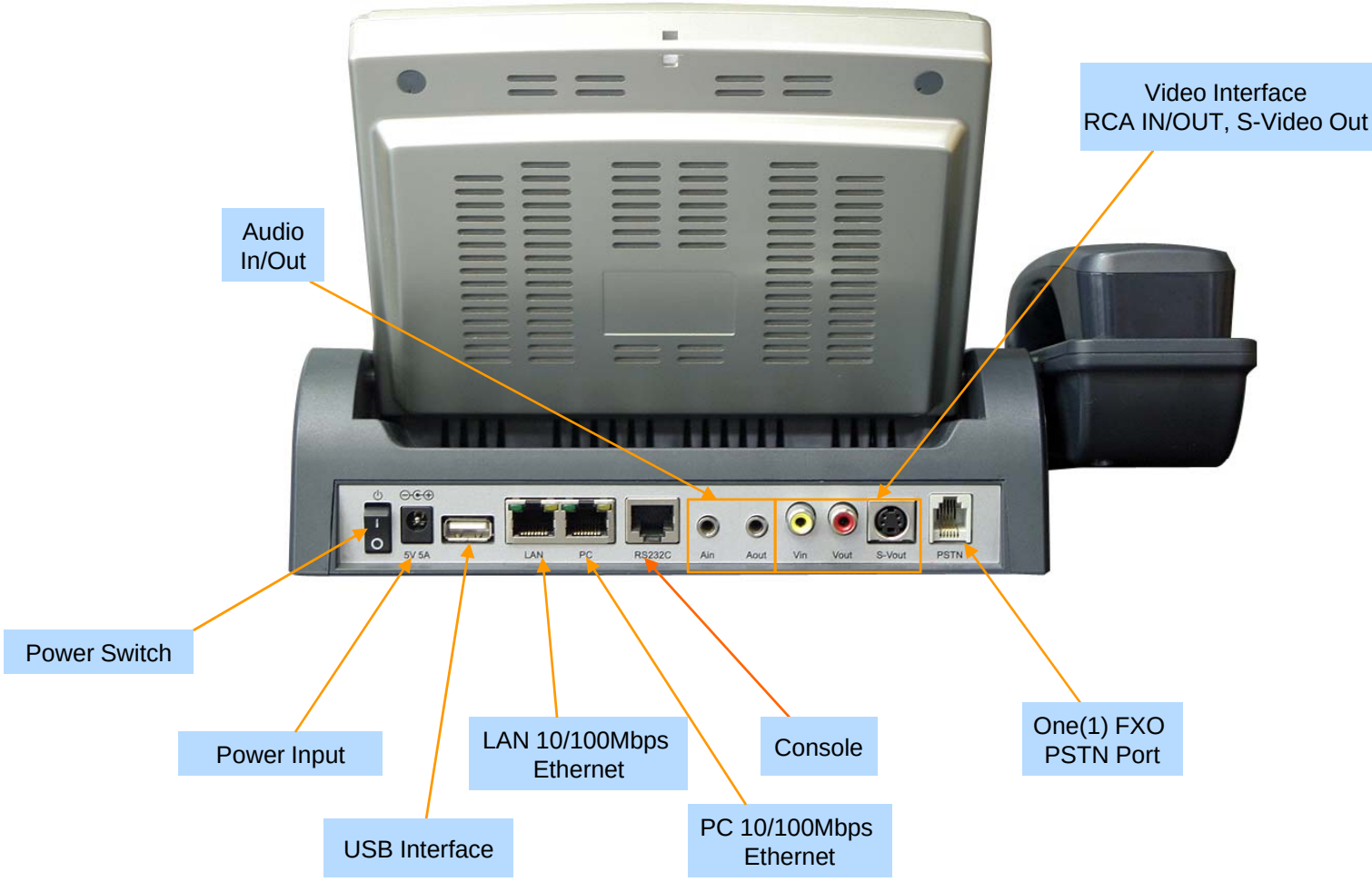
# Video Phone

## AP-VP280 Video Phone

RISC CPU

High-end DSP

## Hardware Specification



# AP-VP250
# Video Phone

# Video Phone

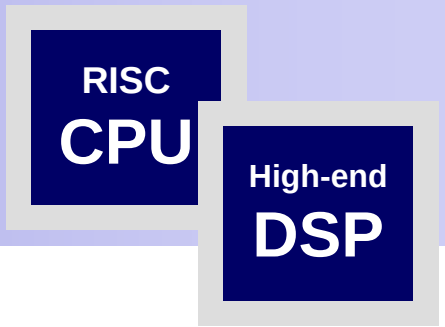
## AP-VP250 Video Phone

### 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



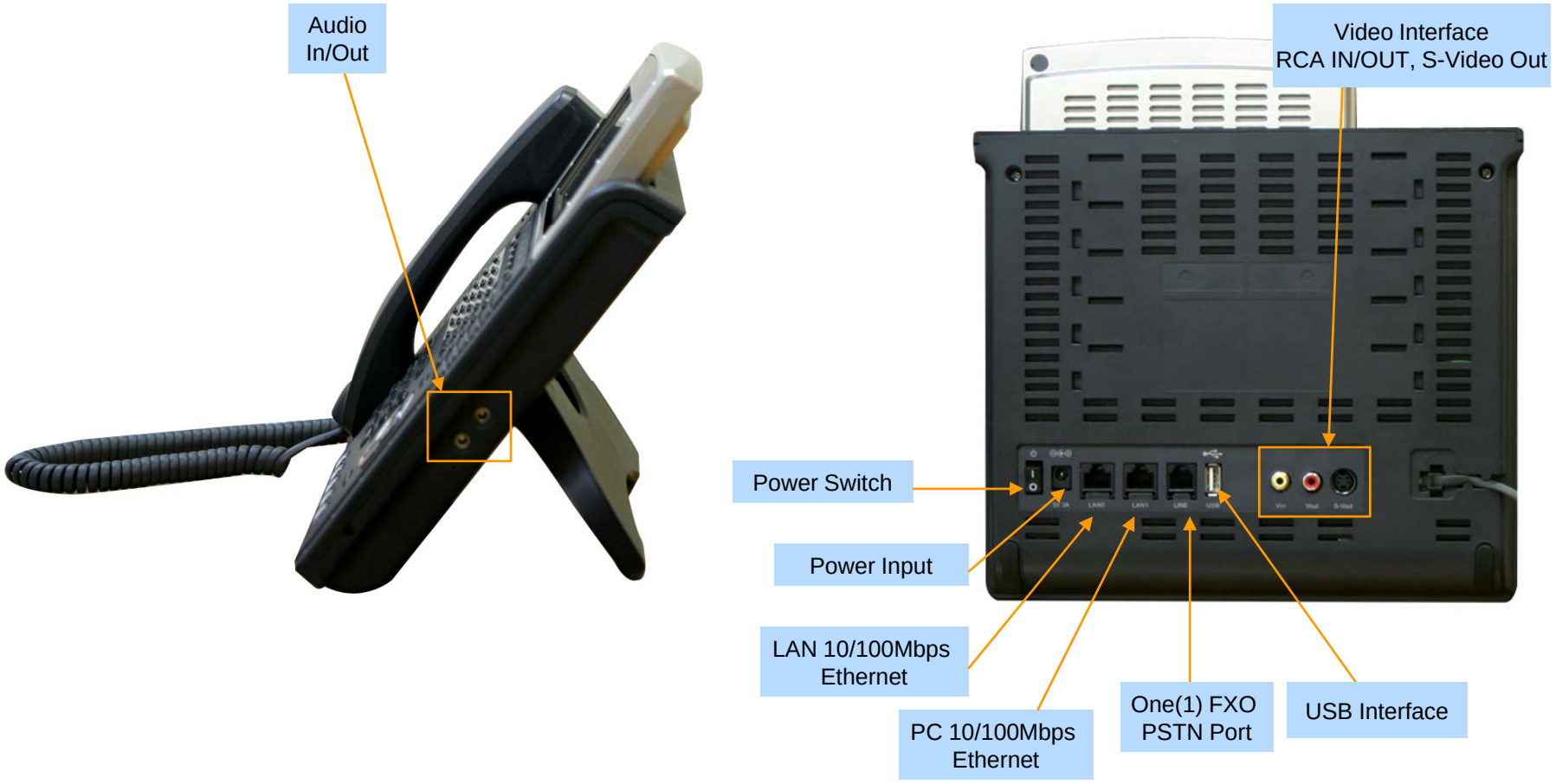
# Video Phone

## AP-VP250 Video Phone

RISC CPU

High-end DSP

## Hardware Specification



# AP-VP230
# Video Phone

# Video Phone

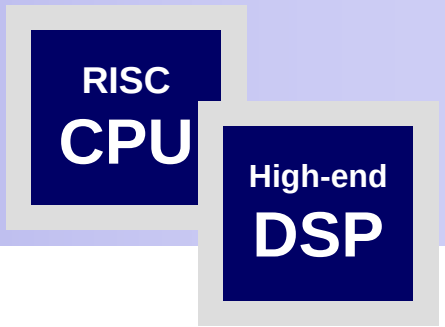
## AP-VP230 Video Phone

### 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



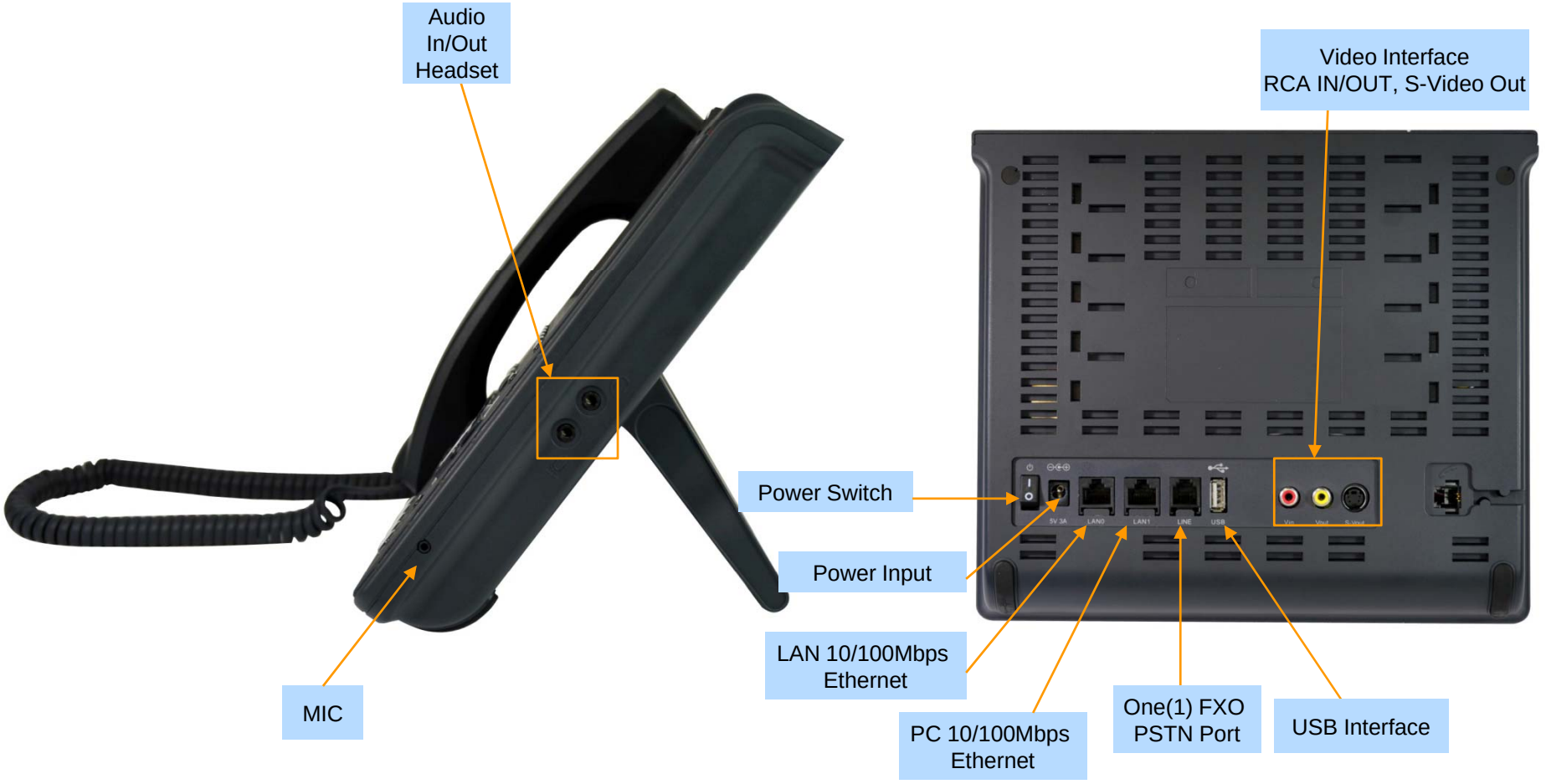
# Video Phone

## AP-VP230 Video Phone

RISC CPU

High-end DSP

## Hardware Specification



# AP-VP150
# Video Phone

# Video Phone

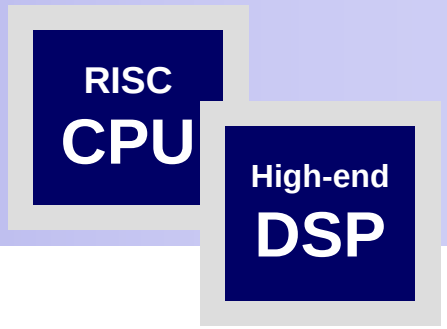
## AP-VP150 Video Phone

### 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

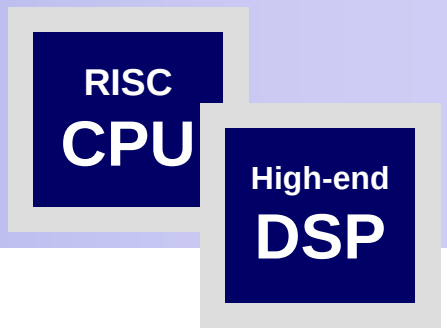
## AP-VP120 Video Phone

### 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

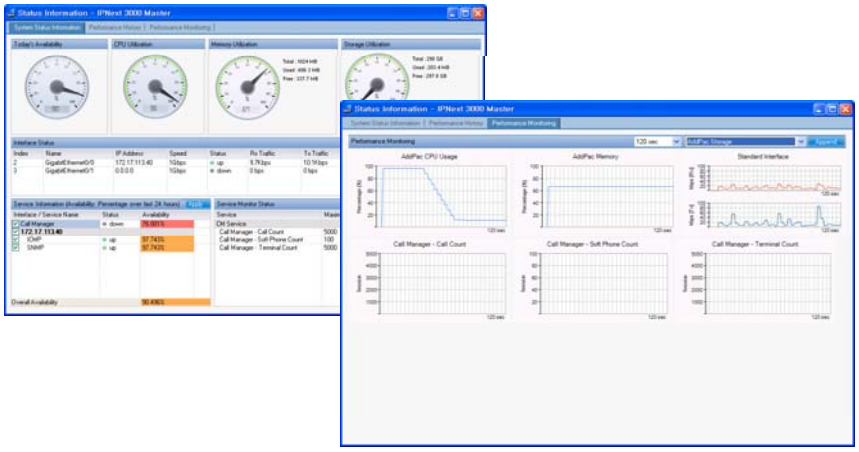
RISC CPU

High-end DSP



# Smart NMS

## Smart Network Management System for Video Phone



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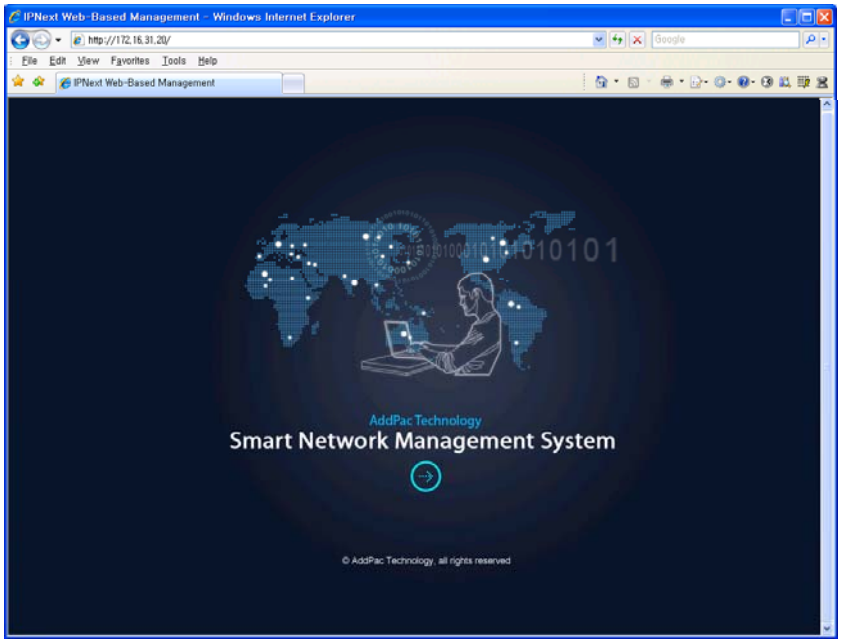
- Web-based Management
- Network Resource Management
- Device Fault Management
- Device Fault History Management
- Device Status Information
- Notification Management
- Fault Statistics
- Model & Service Management



# System Requirement

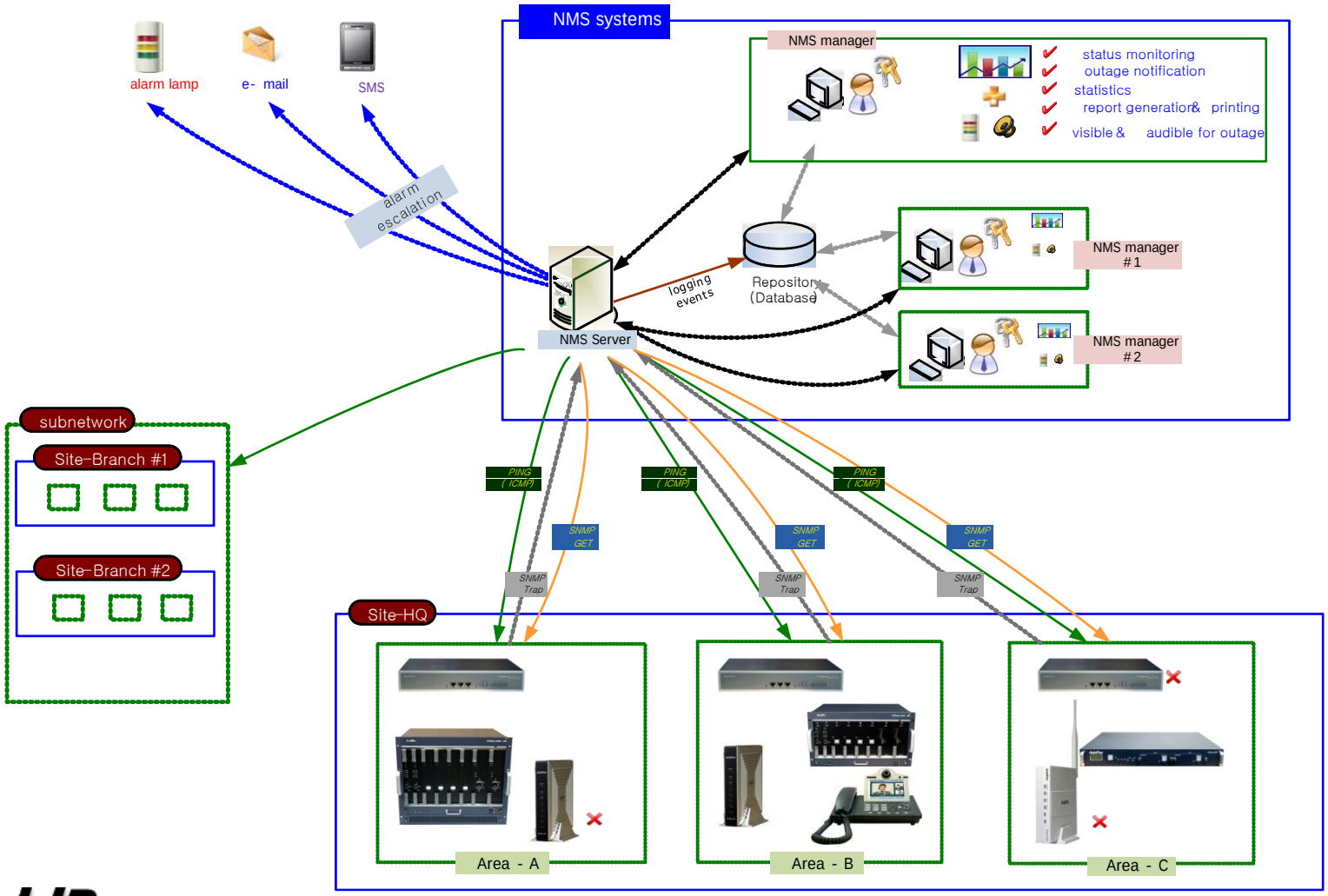
## NMS Server

- 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

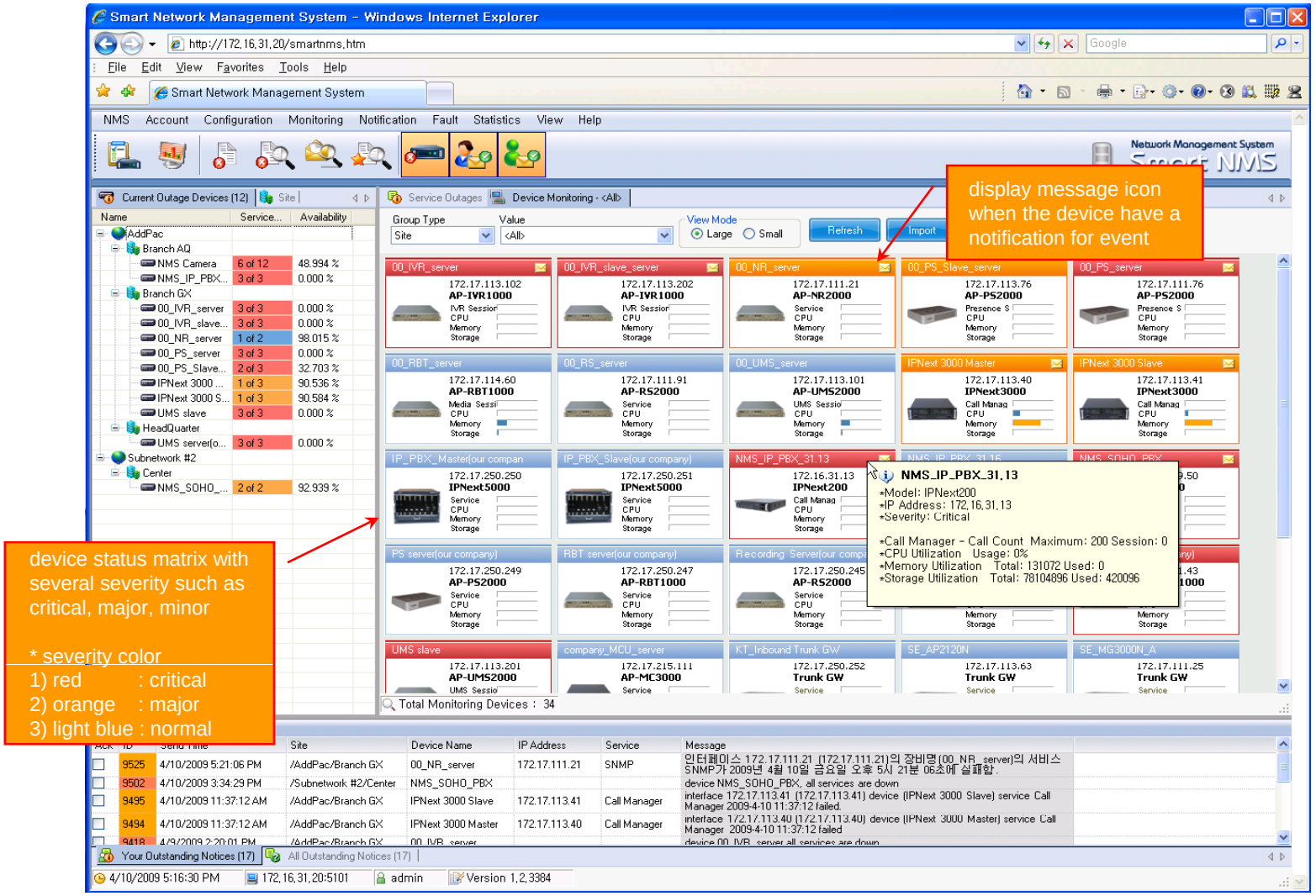
## NMS Client

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

# NMS Networking Diagram



# Ex: Device Fault Management



# Thank you!

**AddPac Technology Co., Ltd.**
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