

Satellite based IP Video Telephony Solution



Satellite IP Video Telephony Solution

- IPNext600 Dual Redundancy IP-PBX
- AP-MC2000 Video Multipoint MCU
- AP-HVC300 Full HD Video Conference Codec
- AP-VP280DM IP Video Phone
- AP1800 Analog/Digital VoIP Gateway

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The advertisement features a blue background with a satellite in the upper right and a boat with a satellite antenna in the lower right. In the center, there are four pieces of AddPac hardware: a video camera, a rack-mounted PBX, a rack-mounted MCU, and a video phone. The text 'Satellite IP Video Telephony Solution' is prominently displayed at the top left of the image area.

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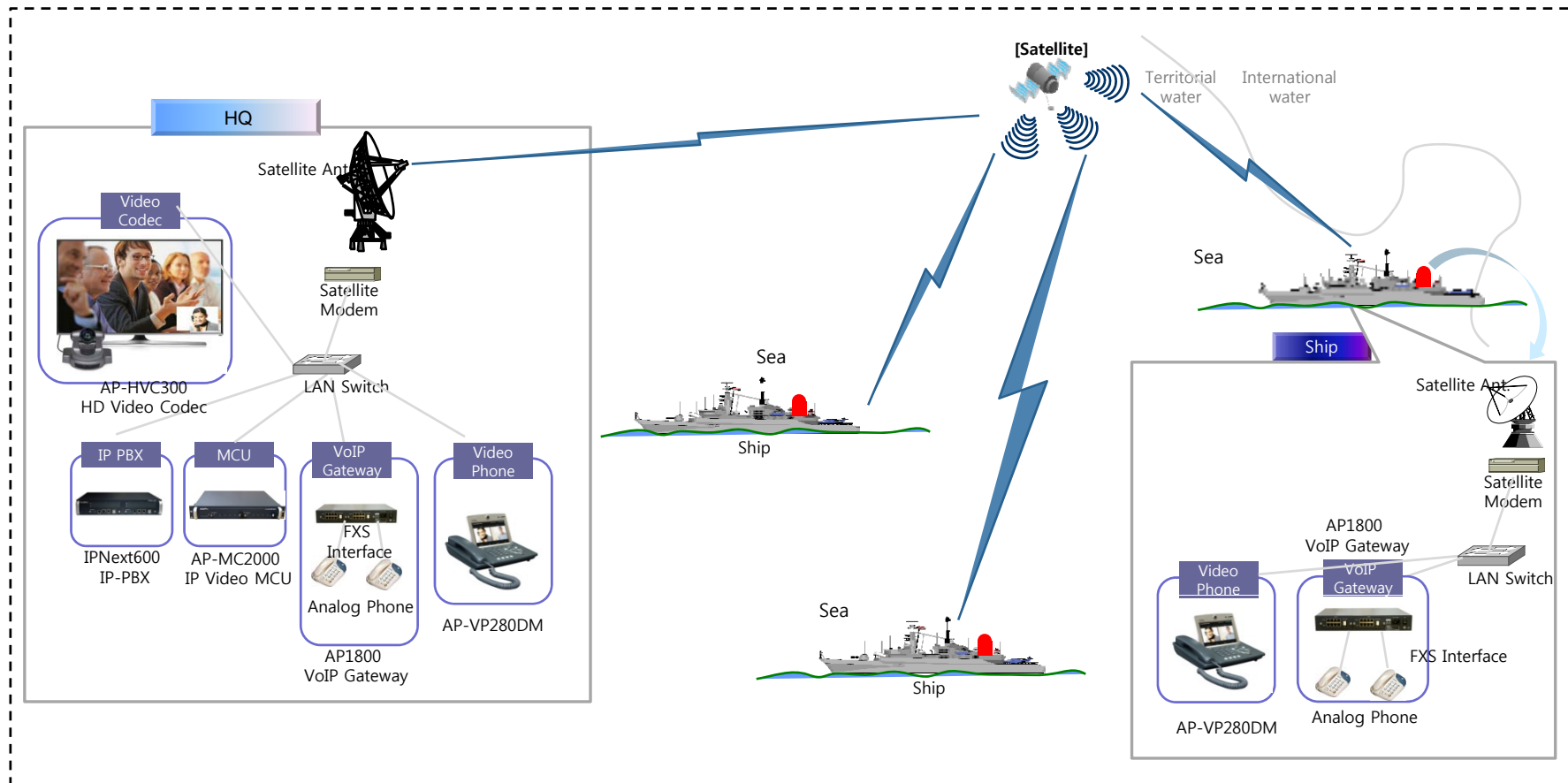
Sales and Marketing

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 - AP-MC2000 Video Multipoint MCU
 - AP-HVC300 Full HD Video Conference Codec
 - AP-VP280DM IP Video Phone
 - AP1800 Analog/Digital VoIP Gateway

Satellite IP Video Telephony Network Service Diagram





Satellite IP Video Telephony Solution Devices



IPNext600 IP-PBX (One System, Dual IP-PBX)

Main Features

IPNext600 Next Generation IP-PBX

- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- Dual System Redundancy Architecture
 - Two(2) Fast Ethernet Interface / System
- High Performance RISC Architecture
- 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 Features for Smart Multimedia Messenger and Smart IP Phone
- IVR Scenario Editor, Voice Mail, Media Service (Coloring), Conference
- Firmware Upgradeable Architecture
- Smart Multimedia Manager for IP-PBX Management
- Smart Messenger Service (click to dial) for Unified Communication
- VPMS (VoIP Plug&Play Management System) & Smart NMS for Large Scale Deployment
- Advanced Voice QoS Mechanism
- Dual Redundancy Power Module

Hardware Specification

IPNext600 Next Generation IP-PBX

RISC
CPU

- 64bit High-End Microprocessor Computing Power
- Main Chassis
 - Dual Redundancy CPU Boards for System Fault Tolerant
 - Two(2) 10/100Mbps Gigabit Ethernet
 - One(1) RS-232C Console (RJ45)
 - Dual Redundancy Power Supply Module
 - Hot-Swap Features

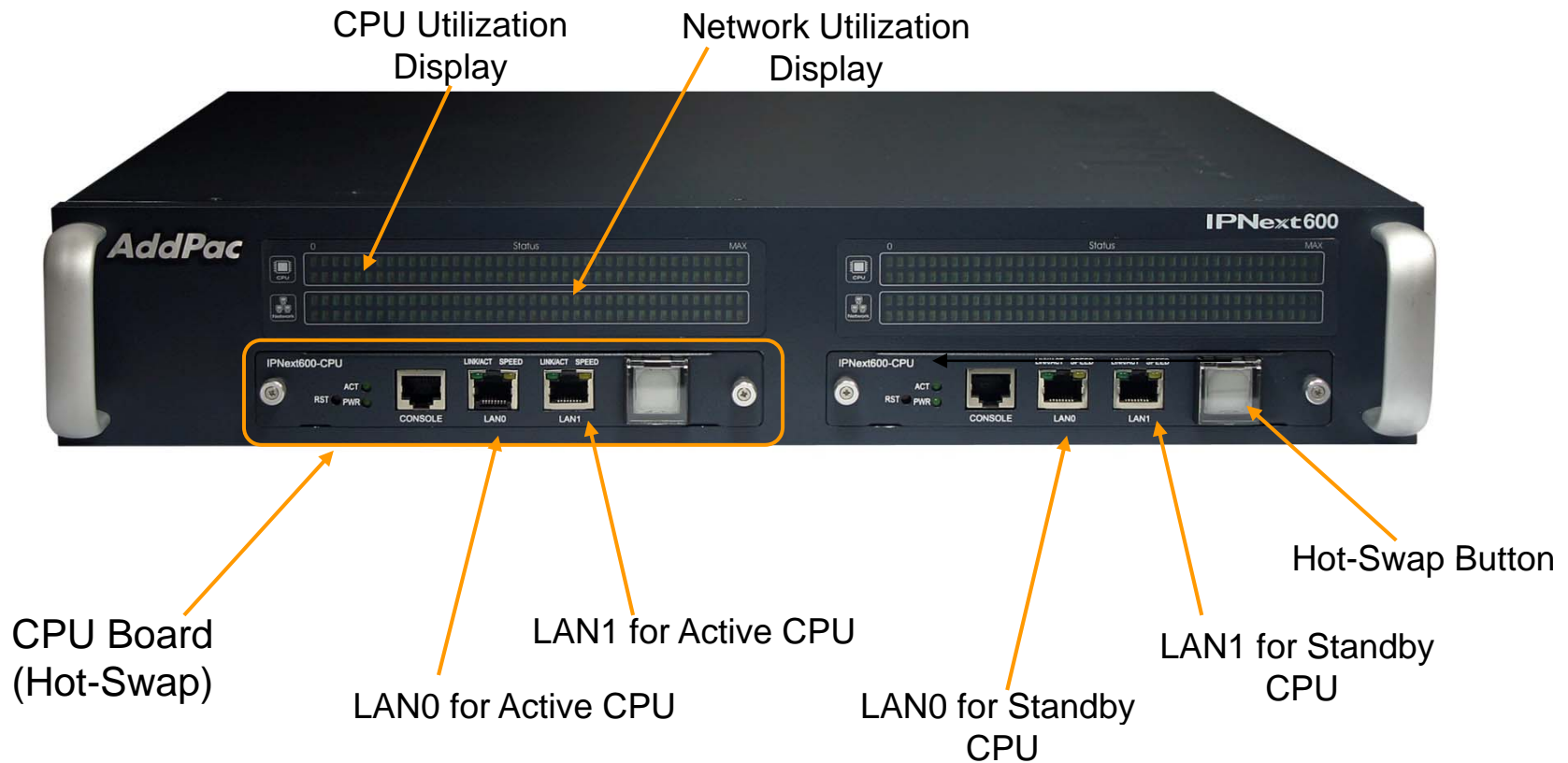


Hardware Specification

IPNext600 Next Generation IP-PBX

RISC
CPU

IPNext600 Front Side



Hardware Specification

IPNext600 Next Generation IP-PBX

RISC
CPU

IPNext600 Back Side

Dual Power Supply
Modules
(Hot-Swap)



PSU Module A

PSU Module B

Power On/Off Switch
for System



AP-MC2000

IP based Video MCU

Product Overview

AP-MC2000 HD Video MCU

- IP based Multipoint Audio/Video Mixing Solution
- Support Various Conference System Model
 - Add-Hoc, Meet-Me, Dial Out
- Scalability and Flexibility
- SIP and H.323 VoIP Signaling Support
- H.264, MPEG4, H.263 Various Video Codec Support
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

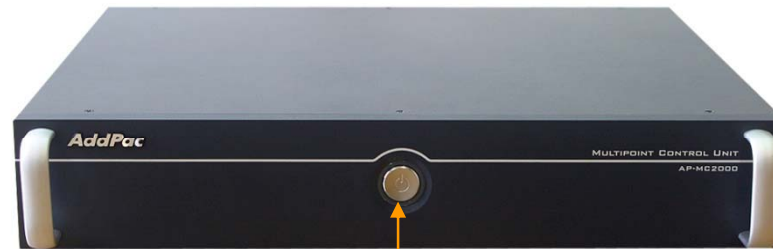
Hardware Specification

AP-MC2000 HD Video MCU

- **High Performance Computing Power**
- **Programmable Hardware Architecture**
- **Main Chassis**
 - **Network Interface**
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - One(1) RS-232C Console (RJ45)

Hardware Specification

AP-MC2000 HD Video MCU



Power ON/OFF Switch



Gigabit Ethernet Interface LAN0

RS232C Console Interface



AP-HVC300

Full HD Video Conference Codec



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Product Overview

AP-HVC300 Full HD Video Conference Equipment

- IP based Video Conference Solution
- High-End Full HD Video Camera Features
- CMOS Sensor, 2Mega Pixel Camera
- Various Video Format Support (ex;1080i/59.94)
- PAN/TILT/Zoom Housing Features
- Optical 10 x Zoom, Digital 12 x Zoom Camera
- Built-in Wide Angle Lens for Video Conference
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Benefits and Features

AP-HVC300 Full HD Video Conference Equipment

- Various Video Output Interface
 - Composite (RCA) , Component (Y, Pb, Pr), HDMI
- High-performance Video Codec Support
 - H.264, MPEG4
- Powerful Image Resolution Support
 - CIF(352x288), QVGA(320x240), HVGA(640x240), VGA(640x480), 4CIF(704x576), 720P(1280x720), 1080i(1920x1080)
- Up to 30fps with Full HD-Resolution(H.264)
- Video Conference Call Support (External MCU)
- SIP, H.323 Signaling Support
- Rate Control for Video Traffic QoS
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- High-end Error Resilient Against Various Packet Error

Hardware Specification

AP-HVC300 Full HD Video Conference Equipment

High
Performance
CPU

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- Video Output Interface
 - Composite RCA Out, Component Out, HDMI Out
- Audio Interface
 - Stereo RCA Type Audio Output Connector (Left, Right)
 - Stereo Audio Input(3.5mm) for External MIC input
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet(RJ45)
 - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
 - USB 2.0 Interface for Mouse, etc
- Voice Interface
 - FXS Interface for Analog Phone, Analog Conference Phone, etc

Hardware Specification

AP-HVC300 Full HD Video Conference Equipment

- **Full HD Camera Specification**
 - High-end CMOS Camera Sensor
 - 2Mega Pixel
 - HD : 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, etc
 - Auto Focus 10 x Optical Zoom, 12 x Digital Zoom
 - Wide Angle Lens for Video Conference Application
 - PELCO-D Control Protocol
 - Position Preset
- **Video I/O Interface**
 - Composite RCA Out, Component Out, HD-SDI Out Interface
- **IR Interface for Remote Control(Remocon)**
- **Power ON/OFF Switch**

Hardware Specification

AP-HVC300 Full HD Video Conference Equipment

High
Performance
CPU

High-end
DSP



IR Sensor & Status Indication Area

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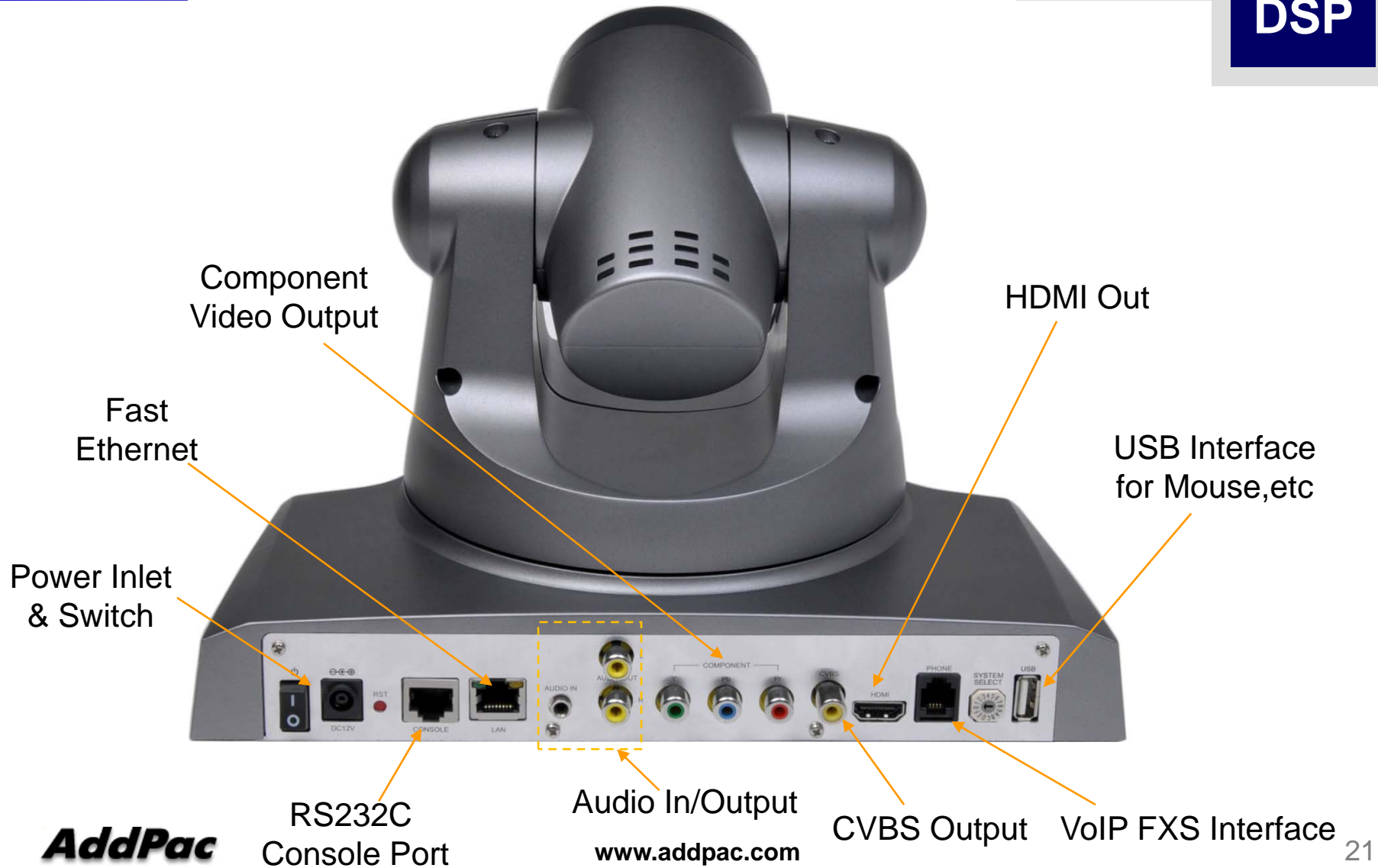
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Hardware Specification

AP-HVC300 Full HD Video Conference Equipment

High Performance
CPU

High-end
DSP



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RS232C
Console Port

Audio In/Output
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CVBS Output

VoIP FXS Interface



AP-VP280DM IP based Video Phone

High Quality, High Resolution

AP-VP280DM IP Video Phone



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High Quality, High Resolution

AP-VP280DM IP Video Phone



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Benefits and Features

AP-VP280DM IP Video Phone

- **7 Inch LCD Display, Touch Screen**
- **External Video Interface**
 - Composite (RCA) Video In/Out, S-Video Out
 - Audio (RCA) In/Out
- **High-performance Video Codec Support**
 - H.263, MPEG-4, and H.264
- **High-performance Audio Codec Support**
 - G.722(16KHz), G.711, G.729, G.723.1 ,etc
- **Powerful Image Resolution Support**
 - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- **Up to 30fps at 1Mbps with VGA-Resolution(H.264)**
- **Video Conference Call Support (AddPac MCU Inter-working)**
- **SIP, H.323 Signaling Support**
- **Rate Control for Video Traffic QoS**
 - Ensuring Optimized Quality, Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**

Hardware Specification

AP-VP280DM IP Video Phone

High-end
DSP

- **High-end Programmable DSP Hardware Architecture**
- **Video Input Interface**
 - RCA Video Input
- **Video Output Interface**
 - RCA Video Output, HDMI Video Output(Optional)
- **High quality Audio and Voice Interface**
 - Stereo Audio Input & Output Connector
- **Network Interface**
 - One(1) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console
 - One(1) USB Interface
- **PSTN Interface**
 - One(1) FXO(RJ11) interface (Option)
- **Power Supply**
 - External Power Adaptor
 - PoE (Power over Ethernet) : Option



Hardware Specification

AP-VP280DM IP Video Phone

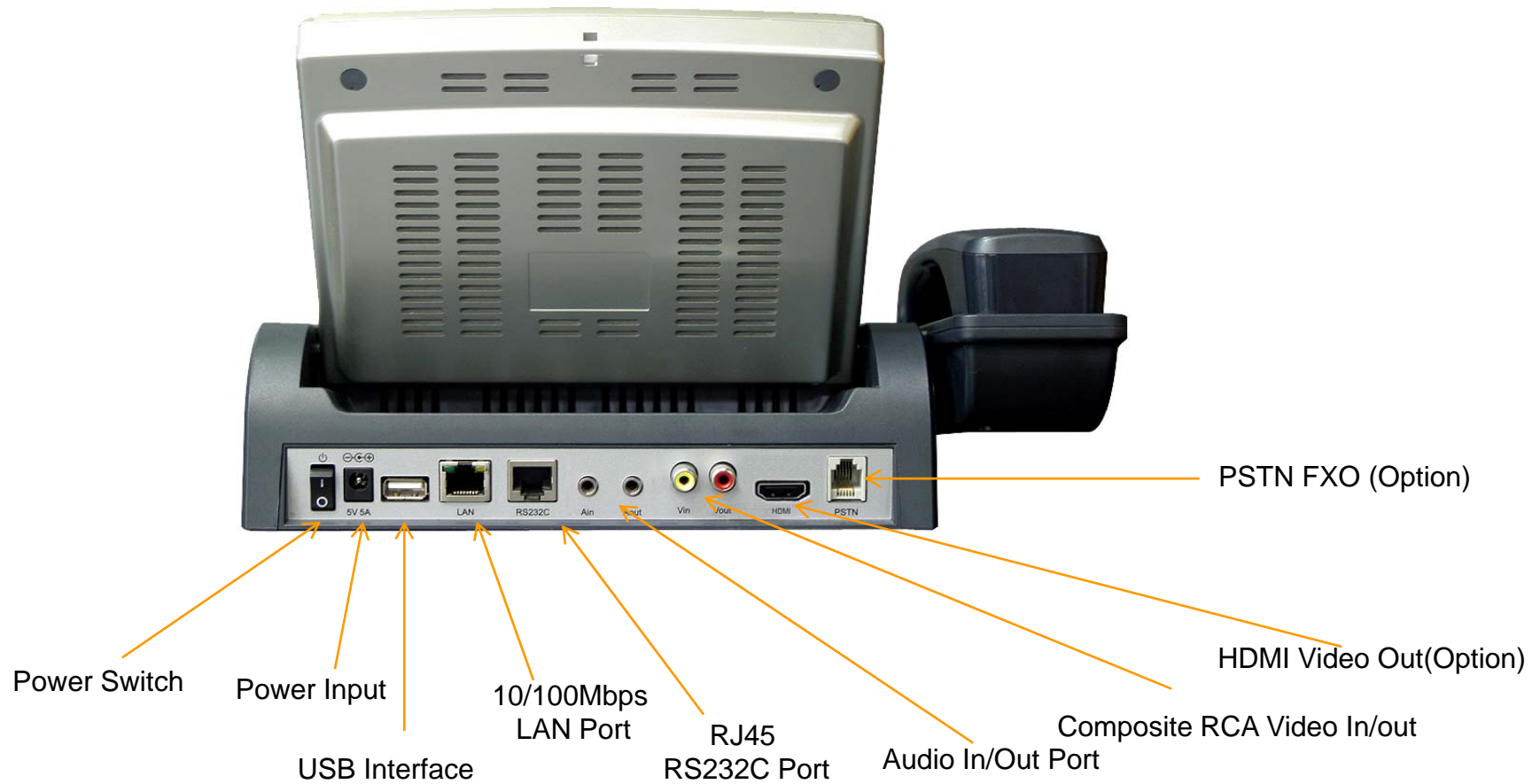
High-end
DSP




Hardware Specification

AP-VP280DM IP Video Phone

High-end
DSP





AP1800 Analog/Digital VoIP Gateway

Product Overview

AP1800 VoIP Gateway

- High Performance Analog/Digital VoIP Gateway Solution
- H.323/SIP Dual Concurrent Stack Embedded
- High Performance RISC & Programmable DSP Architecture
- Two(2) 10/100Mbps Fast Ethernet (IP Share, etc)
- High Performance LAN-to-LAN Routing Capability
- G.711/G.726/G.723/G.729, T.38 Fax , VAD, etc
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Smart NMS for Large Scale Deployment
- Advanced Voice QoS Mechanism
- Light and Compact Design with Internal Power Supply
- Two(2) VoIP Module Slot : 1-Port Digital E1, 8-Port FXS, 8-Port FXO, etc

Hardware Specification

AP1800 VoIP Gateway

RISC
CPU

High-end
DSP

- RISC Microprocessor Computing Power
- Up to 16 Port Analog VoIP Gateway
- Two(2) VoIP Module Slots (Hot-Swap)
 - 8-Port FXS Card, 8-Port FXO Card, 4-Port FXS 4-Port FXO Card ,
Digital E1/T1 Card
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet (RJ45)
- RS232C Console Interface
- Run LED, LAN LED, Port LEDs
- Internal Power Supply

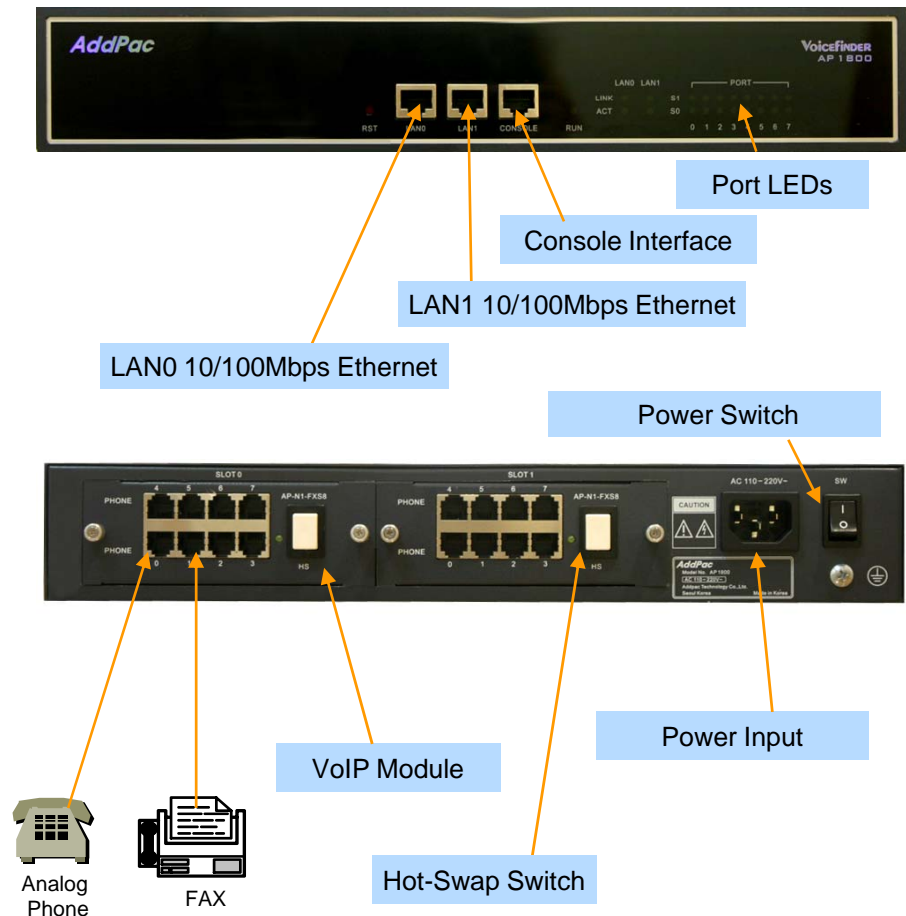
Hardware Specification

AP1800 VoIP Gateway

Hardware Specifications

AP1800 VoIP Series	Basic Specifications
Voice Interface	Two(2) VoIP Module Slots
	AP-N1-FXS8, AP-N1-FXO8, AP-N1-FXS4O4, AP-N1-E1
Ethernet Interface	2-Ports 10/100Mbps Ethernet Interface(RJ-45)
Flash Memory	4Mbyte High-speed Flash Memory
Base Memory	32 Mbyte High-speed SDRAM
Power Requirement	Power Supply Adaptor / VAC 110~220V, 50/60Hz,
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)





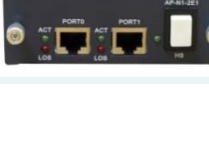
Network interface Configurations



VoIP Module Hardware Specification

AP1800 VoIP Gateway



Target	VoIP Modules	Module Features	Module Picture
AP1800	AP-N1-FXS8	8-Port FXS Module	
AP1800	AP-N1-FXO8	8-Port FXO Module	
AP1800	AP-N1-FXS4O4	4-Port FXS&4-Port FXO Module	
AP1800	AP-N1-E1	1-Port Digital E1/T1 Module	
AP1800	AP-N1-2E1	2-Port Digital E1/T1 Module	



Thank you!

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