

Large Screen IP Video Phone

AP-VP500

Technical Data Sheet

General Hardware Specifications

Main Chassis	Embedded Hardware Chassis
CPU	High Performance RISC Integrated Processor
DSP	High Performance TI DSPs (Digital Signal Processor)
Memory	512KB Boot Memory 16MB System Memory (Flash Memory) 128MB Main Memory (SDRAM)
Network Interface	2-ports 10/100Mbps Ethernet (LAN 0, LAN 1) RS232C Console Port for CLI, External Camera PTZ
PSTN Interface (option)	1-port PSTN/FXO Voice Interface
USB Interface	1-port USB Interface (USB 1.1 Host Mode)
Operation Environment	Temperature 0°C ~ +45°C (operating), -40°C ~ +85°C (storage), Humidity 5% ~ 95%
Power Supply	AC110~220VAC 50/60Hz Free Voltage, 12V 3.4A
Demension	290mm x 330mm x 440mm (H x W x D), 5Kg

Audio/Video Hardware Specifications

Color TFT LCD	Built-in 12.1" Wide Color TFT LCD
Audio/Video Interface	1-CH Composite RCA Video Output 1-CH Composite RCA Video Input 1-CH S-Video Output 1-CH Component (Y, Cr, Cb) Output 1-CH 3.5mm Audio Input for Headset 1-CH 3.5mm Audio Output for Headset
Color Video Camera	4M Pixel Color Camera
Microphone	Built-in Internal Microphone

Audio Service and Signaling Protocol Features

Voice and Audio Codec	G.711, G.723.1, G.726, G.729 and G.722.2
VoIP Signaling Protocol	SIP/H.323 VoIP Signaling Protocol (Dual Stack) ITU-T H.323 Gateway, Gatekeeper Support SIP Proxy Server Interoperability
Echo Cancellation	G.165 and G.168 Compliant
Voice Processing	VAD, CNG, Dynamic Jitter Buffer Operation
DTMF	Detection and Generation, RFC 2833 Compliant
Telephone Features	On-screen Dial Pad, Caller ID & Hold
Voice QoS	Enhanced QoS Management for Voice Traffic

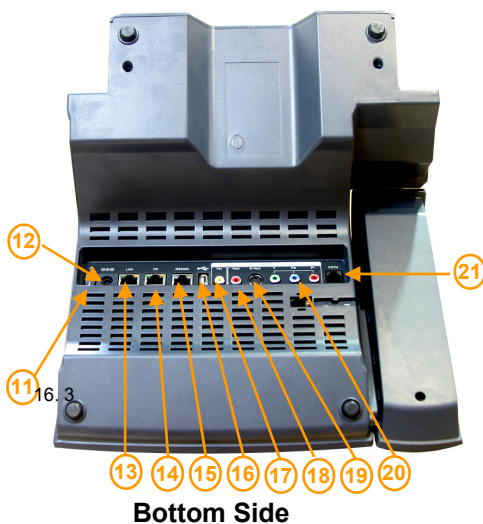
Video Services and Features

Video Codec	MPEG4, H.263, JPEG, and H.264 (MPEG4 part 10)
Resolution	QCIF(176x144), CIF(352x288), QVGA(320x240), VGA(640 x 480), Up to 30fps with VGA-Resolution (MPEG-4)
Frame Rate	Up to 30fps with VGA-Resolution (MPEG-4)
Operating Bandwidth	64Kbps ~ 4Mbps
Video Service	Compatibility with AddPac MCU with Video Mixing, Meet-Me, Add-Hoc, Dial-Out Conferencing Signaling Support, and Control by GUI based Smart Multi-media Manager (SMM) Software
Dual Operation Features	Dual Monitor Emulation (PTP Communication Service + Broadcasting Service)
Video QoS Features	Enhanced QoS Management for Video Traffic High-end Error Resilience Support on IP Network Rate Control for Best Video Quality Frame Rate Control at a Limited Bandwidth Video Error Concealment Service
Video Codec Interoperability	Polycom, Tandberg, and Sony Video Conferencing Products with Standard H.323, H.263 based Video Codec, and so on
Control and Setting	OSD (On Screen Display) and Remote Commander
Major Video Application	Voice and Video Telephony, Video Conferencing, Audio/Video Broadcasting, VoD Service, etc.

WAN, LAN, IP Services and Other Features

WAN Protocol	Point-to-Point Protocol (PPPoE) for ADSL
IP Routing	IPv4 and IPv6 Dual Stack Routing, Static and IEEE 802.1Q VLAN Routing, various IP Routing Support
Network Management	Standard SNMP Agent (MIB v2) Support, Console, Telnet, Web Based Management, Remote Firmware (APOS) Upgrade via FTP/TFTP Support
Security Features	IP Packet Filtering, Access List, Access Control and Data Protections, Enable/Disable for Specific-Protocols Multi-level User Account Management
Operation & Management	Configuration Backup and Restore for APOS Management, Debugging and Diagnosis Features, System Booting/Rebooting through Watch-Dog, etc.
Other Features	DHCP Server and Relay, Network Address Translation (NAT), Port Address Translation (PAT), IEEE Standard Transparent Bridging, CLI, Load Balancing, DNS Proxy, UPnP, MAC Address Filter Service etc.

A / V & Network Interface of AP-VP500



1. Color CCD Camera
2. IrDA Sensor
3. Status LEDs
4. 12.1" Color TFT LCD
5. Function Keys Group 1
6. Function Keys Group 2
7. Internal Microphone
8. Function Keys Group 3
9. 3 x 4 DTMF Keys
10. Hand Set
11. Power ON/OFF Switch
12. External Power Input (DC12V)
13. 10/100Mbps Fast Ethernet 0
14. 10/100Mbps Fast Ethernet 1
15. RS232C Console (PTZ, CLI)
16. USB Host Mode 1.1 Interface
17. RCA Video Input
18. RCA Video Output
19. S-Video Video Output
20. Component Video Output
21. FXO PSTN Backup
22. 3.5mm Audio Input (Headset)
23. 3.5mm Audio Output (Headset)