

AP-VIC100™

IP Video Intercom Controller

High Performance IP Video Intercom Controller Solution



Preliminary Product Overview

(Without notice, following described technical spec. can be changed)

AddPac

AddPac Technology

2012, Sales and Marketing

www.addpac.com

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Product Overview

AP-VIC100 IP Video Intercom Controller

- High Performance IP Video Intercom Controller Solution
- 3x4 Key, 5 Inch TFT Color LCD, Internal MIC & Speaker
- SIP VoIP Signaling Stack Embedded
- High-performance Video/Voice Codec Support
 - H.264/MPEG4/H.263, G.722/G.711/G.729/G.723, etc
- Two(2) 10/100Mbps Fast Ethernet
- PoE(Power over Ethernet) Support
- High Quality Speaker Phone Features
- Powerful Acoustic Echo Canceller Chip Embedded
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- Firmware Upgradeable Architecture
- Advanced Voice QoS Mechanism

Product Highlights

AP-VIC100 IP Video Intercom Controller

V2oIP Telephony

IP based Video Intercom Controller
(Video Decoding & Display,
Door Access Control)

5 Inch LCD Display
WQVGA Video Resolution

Powerful Acoustic Echo
Canceller

High Performance RISC CPU
& Programmable DSP

PoE(Power over Ethernet)
Support

High-quality Image
QVGA(320x240), 30fps
64Kbps to 1Mbps

APOS™Technology
Multimedia Network Protocol

State-of-art Signaling
SIP, H.323 Signaling Stack

IP based Network Protocol
& Video/Voice Traffic QoS

Broadband IP Networking
With Two(2) 10/100Mbps ethernet

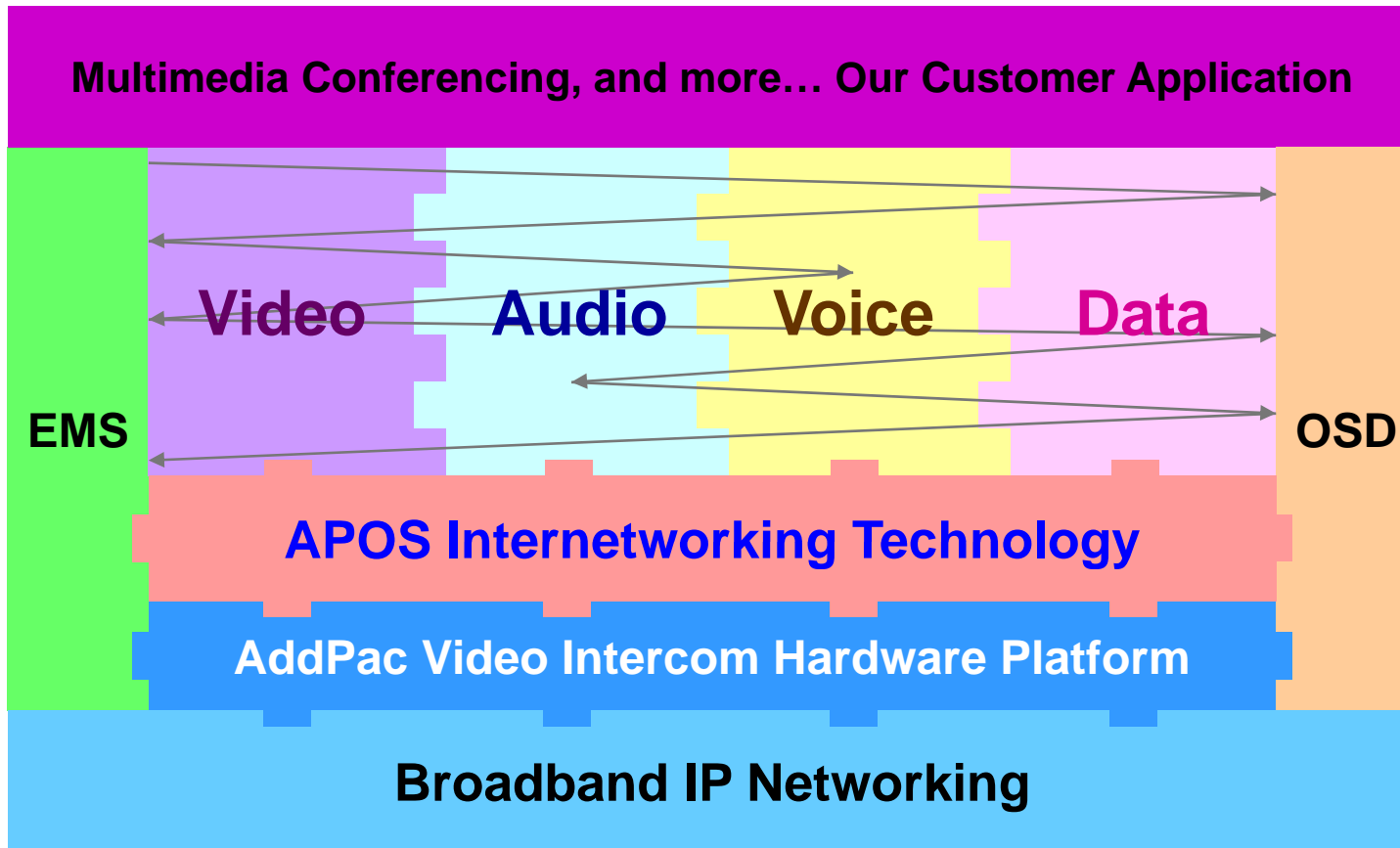
High-end Video Codec
H.264, MPEG4, H.263, etc

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Multimedia Service

AP-VIC100 IP Video Intercom Controller



- APOS : AddPac Internetworking Operating System
- OSD : On- Screen Display
- EMS : Element Management System

Hardware Specification

AP-VIC100 IP Video Intercom Controller

RISC
CPU

High-end
DSP

- RISC+DSP Microprocessor Computing Power
- Audio and Voice Interface
 - Internal MIC
 - Internal Speaker
 - 3 x 4 key PAD
- Speaker Phone with Acoustic Echo Canceller
- TFT Color LCD Interface
 - 5 Inch LCD, WQVGA Video Resolution
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet
- Headset Interface (Audio In/Out)
- FXO PSTN BackUp Interface : Option
- Power Supply
 - Power over Ethernet : Option
 - External Power Supply



Hardware Specification

AP-VIC100 IP Video Intercom Controller

RISC
CPU

High-end
DSP



5 Inch Color LCD
With touch screen

Soft Keys

Navigation Keys

Function Keys

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Hardware Specification

AP-VIC100 IP Video Intercom Controller

RISC
CPU

High-end
DSP



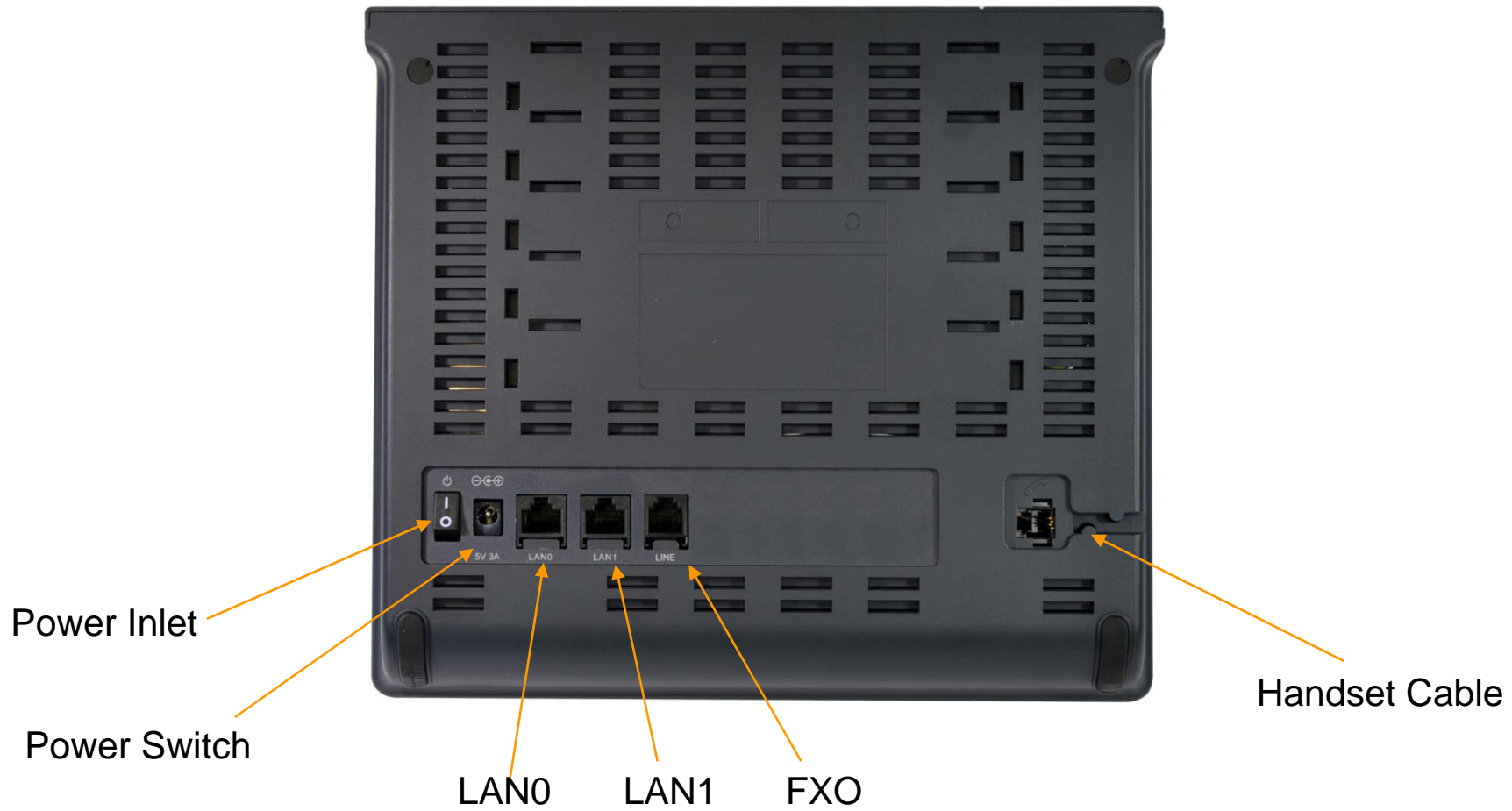
Audio In/Out
for Headset

Hardware Specification

AP-VIC100 IP Video Intercom Controller

RISC
CPU

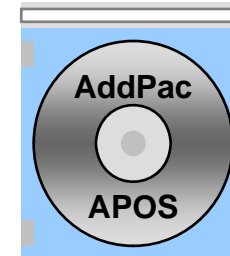
High-end
DSP



Software Service

AP-VIC100 IP Video Intercom Controller

- **Built-in AddPac APOS Internetworking Software**
 - Scalability, Functionality, and Stability Features
 - Video Traffic QoS Control
- **Programmable Video, Audio, and Voice Services**
 - Video Codes, Audio, and Voice Codec
- **Firmware Upgradeable DSP Architecture**
- **OSD (On-screen Display) Function Support**
- **Industry Standard IP based Network Protocol Features**



Video Service and Features

AP-VIC100 IP Video Intercom Controller

- **High-performance Video Codec Support**
 - H.264,MPEG4,H.263, etc
- **Image Resolution Support**
 - Video Decoding : VGA(640x480), QVGA(320x240)
- **Up to 30fps with VGA Resolution**
- **128Kbps to 1Mbps Operating Video Traffic Bandwidth**
- **Rate Control for Video Traffic QoS**
 - Ensuring Optimized Quality
 - Frame Rate with Limited Bandwidth
- **High-end Error Resilient Against Various Packet Error**

Audio & Voice Service and Features

AP-VIC100 IP Video Intercom Controller

- **Audio & Voice Networking Interface**
 - Audio In/Out Interface for Headset
- **VoIP based Signaling Protocol Support**
 - SIP Signaling Protocol Stack
- **High-performance Audio & Voice Codec Support**
 - G.722, G.711, G.729, G.723 Audio Codec
- **Enhanced QoS Management Features for Voice Traffics**

Network Service and Features

AP-VIC100 IP Video Intercom Controller

Basic Network Protocols

- ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD

Routing Protocol

- IPv4 : Static
- IPv6 : Static

Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog
- IP/IPv6 policy control (QoS)
- VPDN (Virtual Private Dial-up Network : L2TP Server)

Network Service and Features

AP-VIC100 IP Video Intercom Controller

IPv4/IPv6 Interworking

- NAT/PAT for IPv4
- IP connect (formerly ip-share) and device cascade for IPv4
- IP/IP, IP/GRE tunneling
- NAT-PT
- 6to4, Autoconfig tunneling

IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

IPv6 Address Configuration

- Fixed (Static)
- EUI-64
- Autoconfig (Neighbor Advertisement and Solicitation)

Network Service and Features

AP-VIC100 IP Video Intercom Controller

Miscellaneous

- Cisco Style CLI
- Standard & Extended IPv4/IPv6 Access List
- Multi-level User Account Management
- IP accounting
- fsh (Embedded file system shell)
- STUN Client

Network Service and Features

AP-VIC100 IP Video Intercom Controller

SNMP MIBs

- MIB-II
- RMON MIBs (Statistics, History, Alarm, Hosts Group)
- RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
- RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
- RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
- RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
- AddPac Enterprise MIBs
- etc



OSD Software Feature

OSD Software Features

AP-VIC100 IP Video Intercom Controller

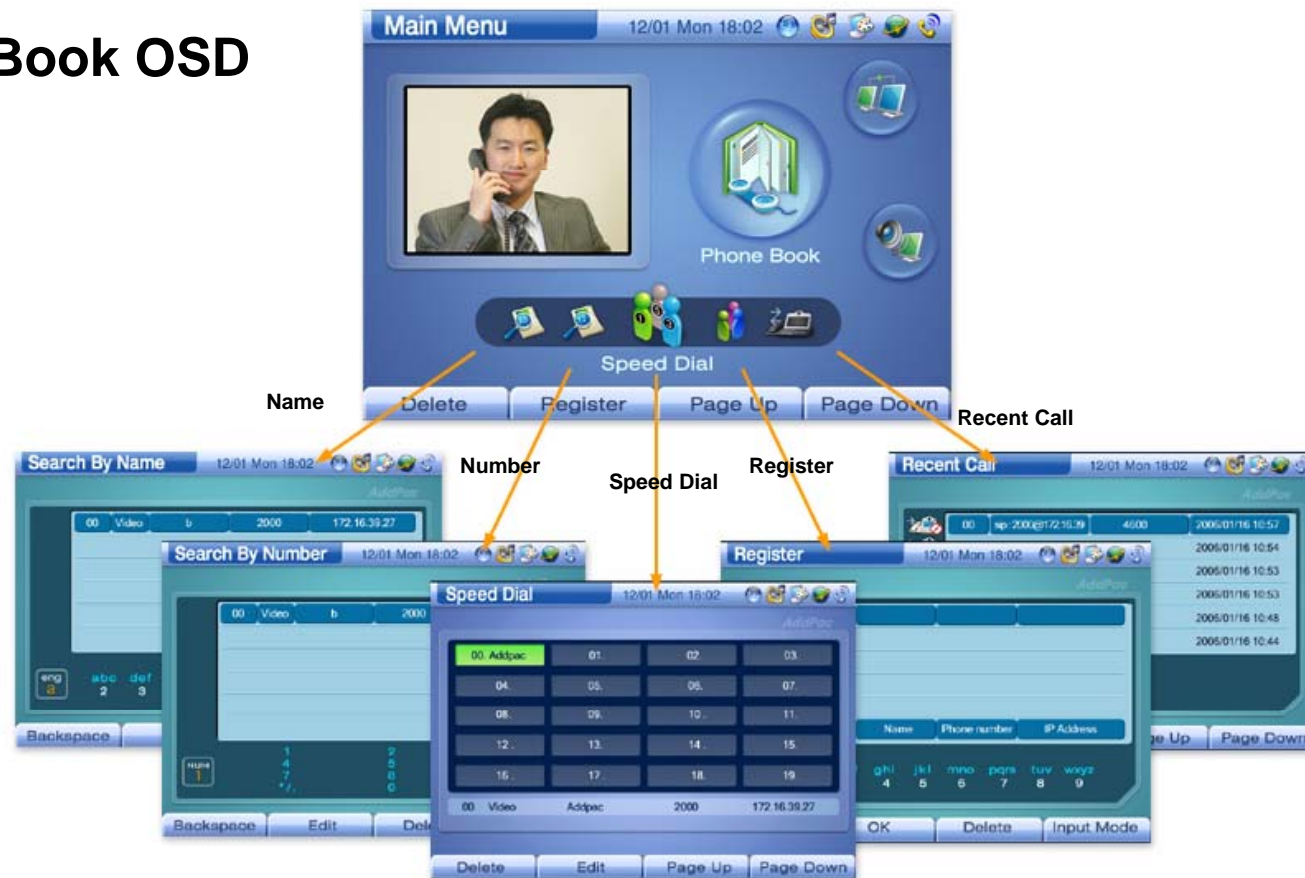
AV Setup OSD



OSD Software Features

AP-VIC100 IP Video Intercom

Phone Book OSD



OSD Software Features

AP-VIC100 IP Video Intercom Controller

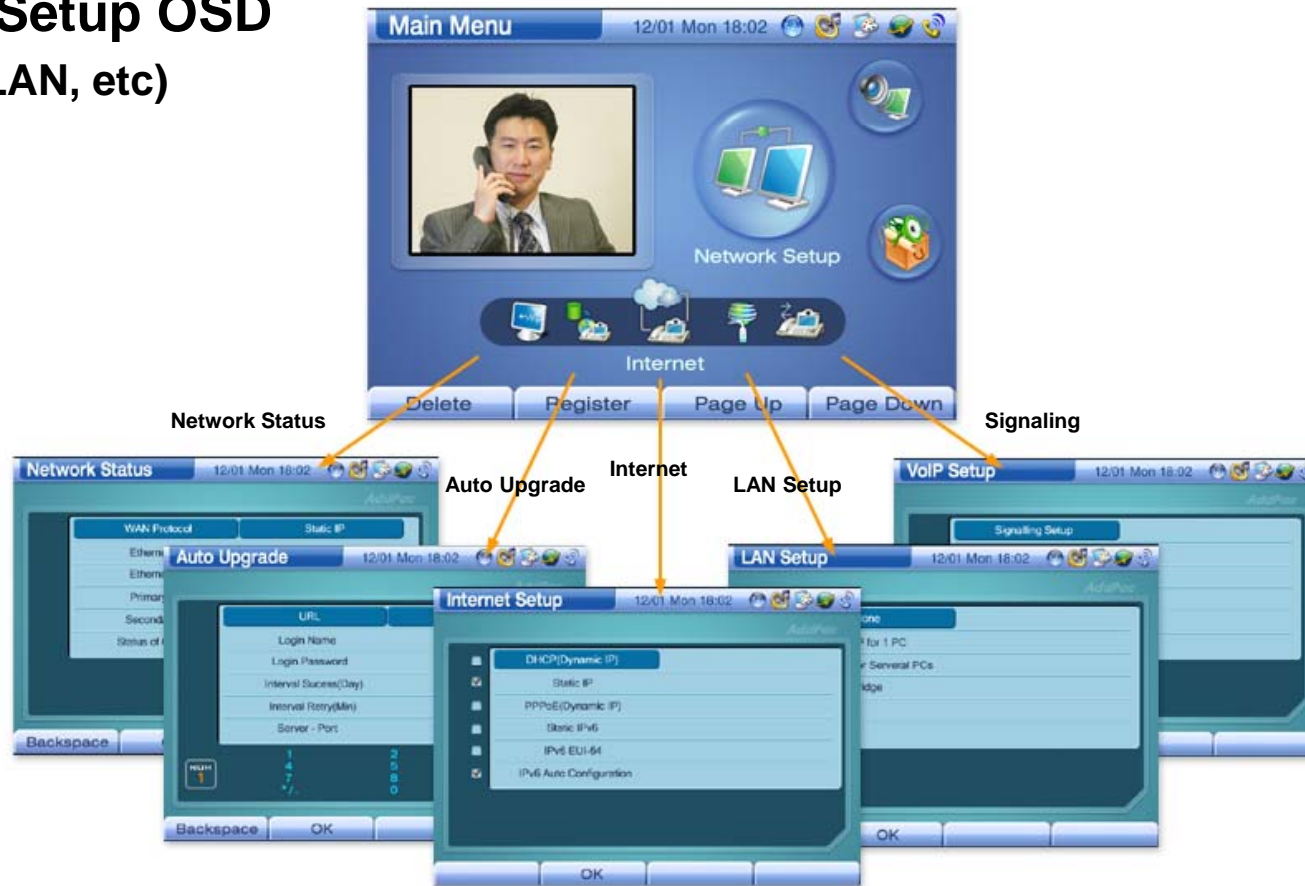
Tool Box OSD (Ring Type, Language Setup, etc)



OSD Software Features

AP-VIC100 IP Video Intercom Controller

Network Setup OSD (VoIP, LAN, etc)



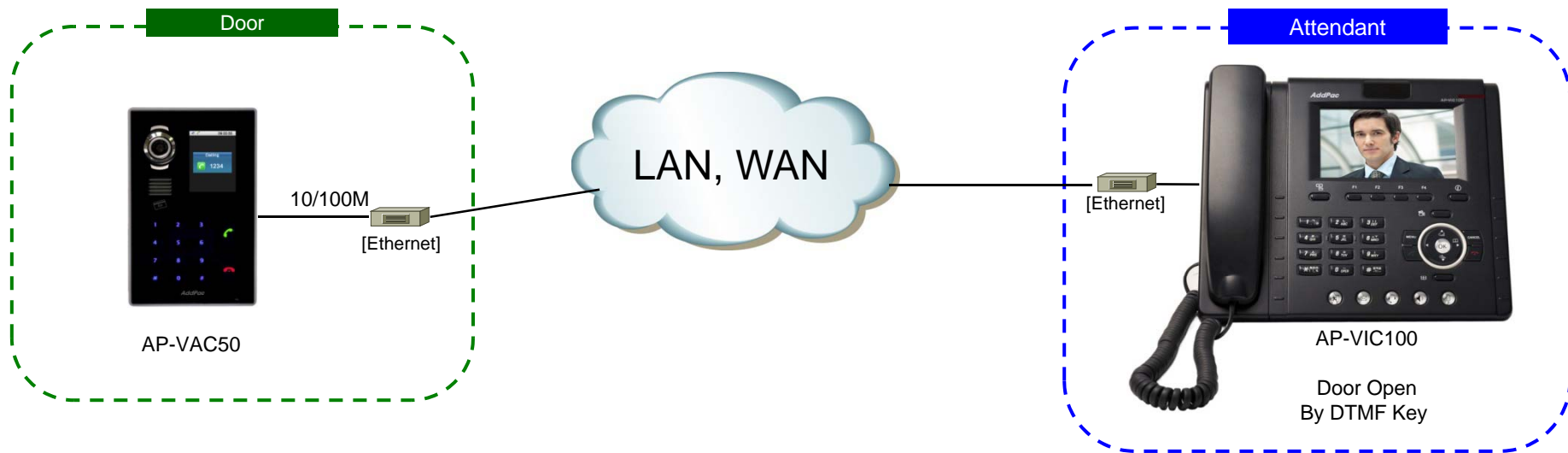
AP-VIC100 IP Video Intercom Controller

Application Area

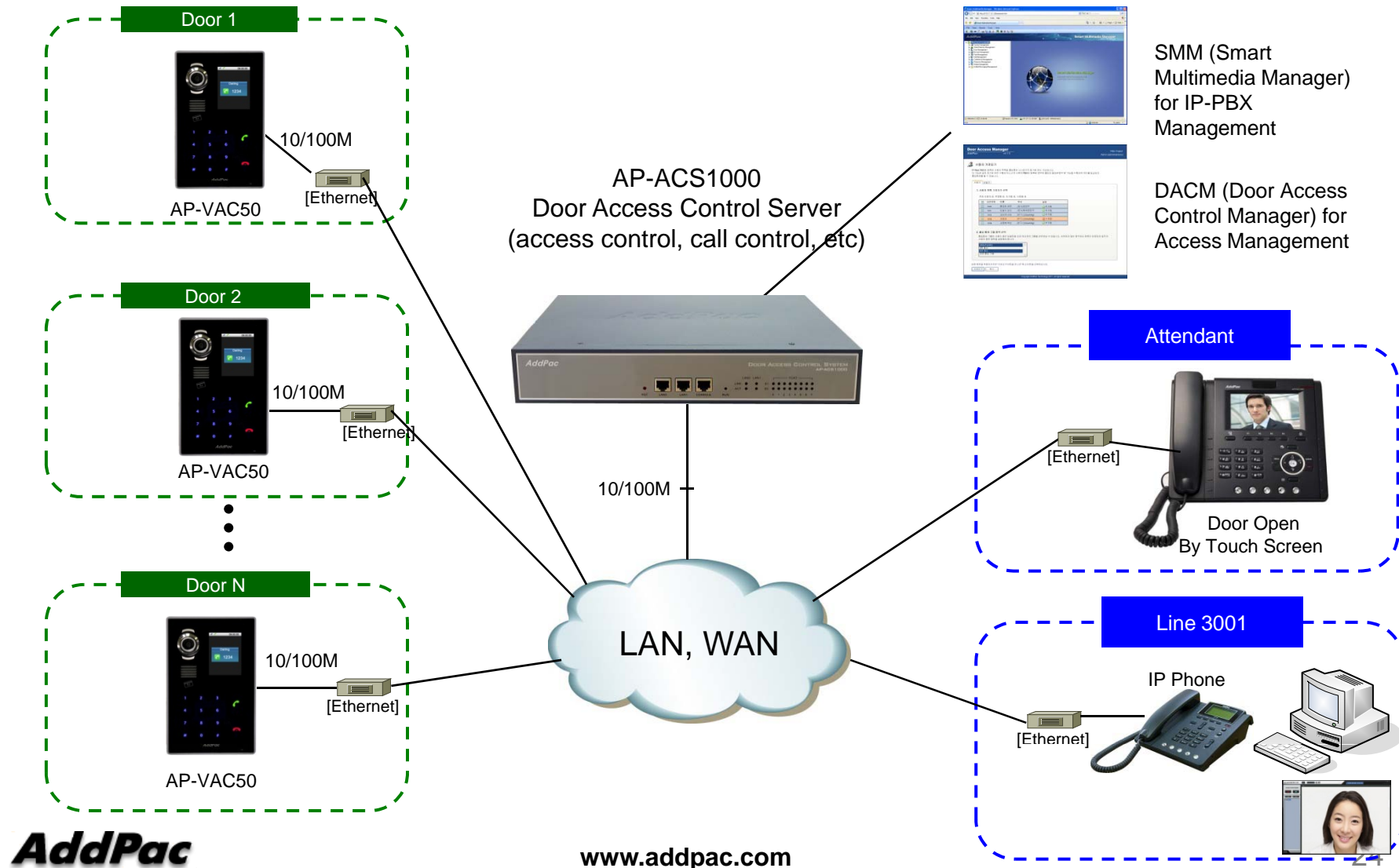
- Point-to-Point Application (Simple Application)
- Point-to-Multipoint Application
 - All AddPac Solution
(Call Manager + Door Access Control Server)
 - Legacy PBX Environment
 - Legacy IP-PBX Environment



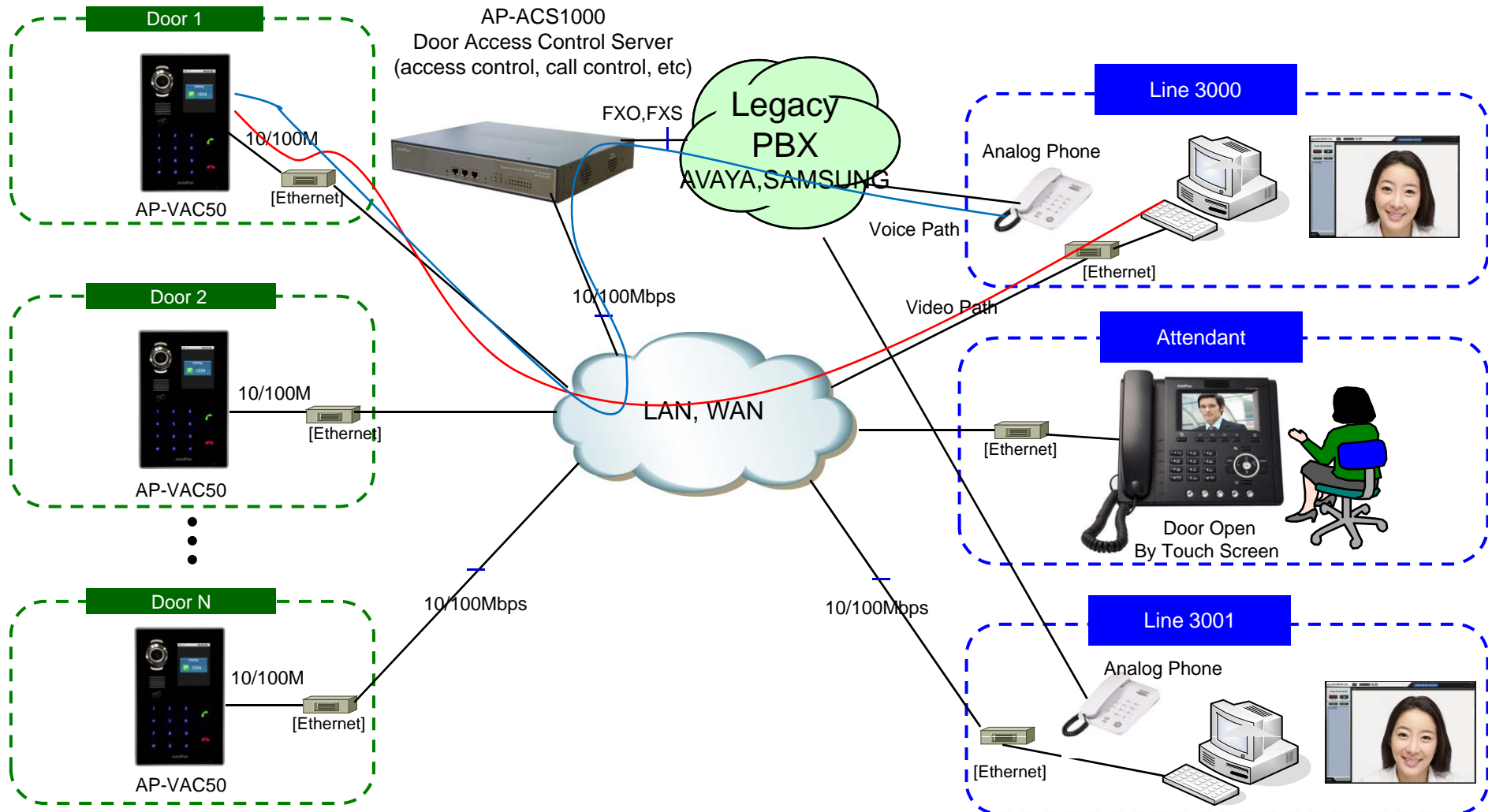
Point-to-Point Connection (Simple Appl.)



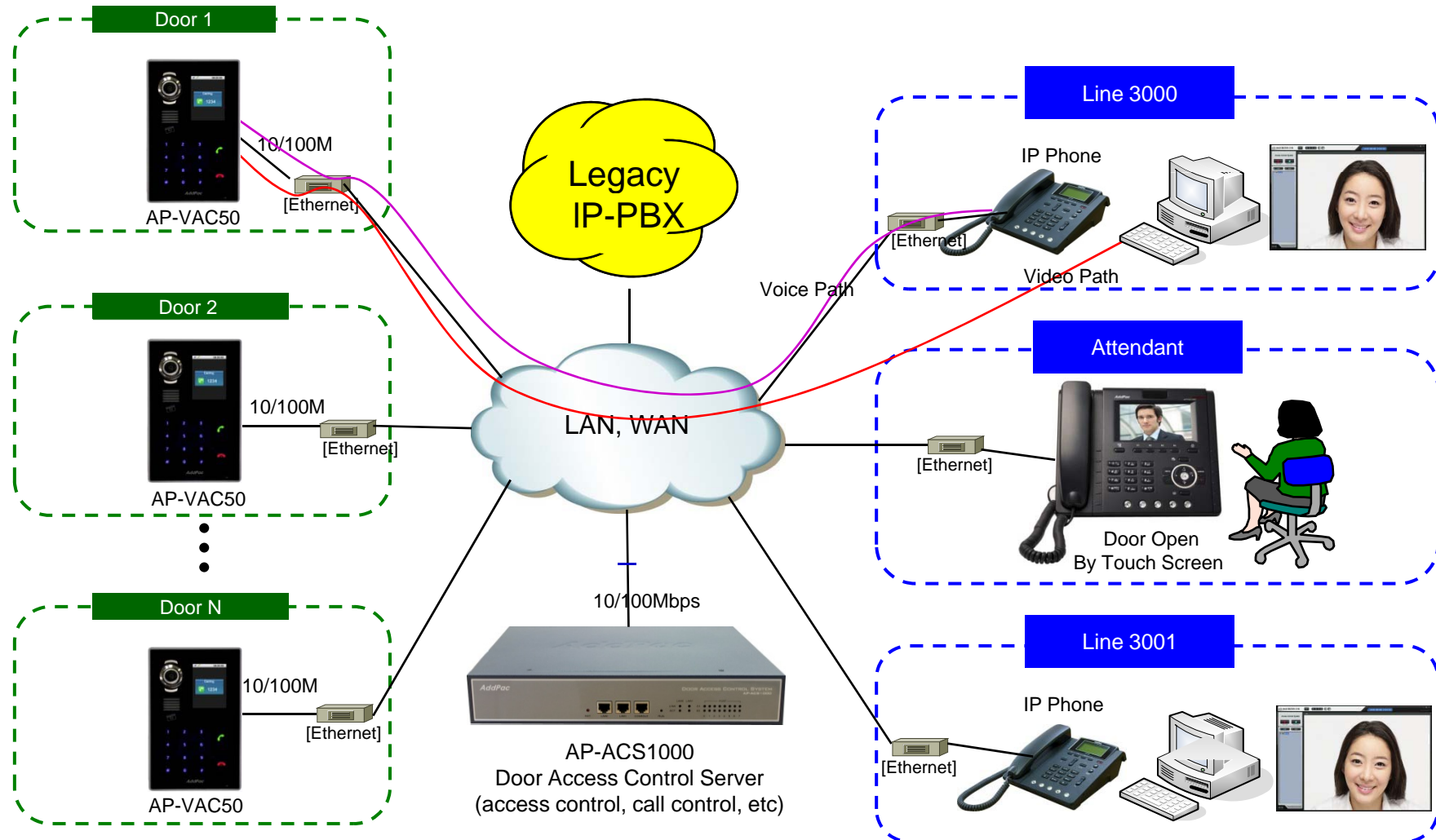
Integrated Door Access Control and Call Control (All AddPac Solution)



Legacy PBX Environment



Legacy IP-PBX Environment



Ordering Information

- **AP-VIC100 IP Video Intercom Controller Hardware**
 - AP-VIC100 Video Intercom Controller Main Body
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 5 Inch LCD
 - Internal MIC, Internal Speaker
 - 2-ports 10/100Mbps Fast Ethernet
 - PoE Interface
 - Including Network Cable Set & Ext. Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-VIC100**
- **Including 1 Year Hardware Warranty**
- **Product Documents**
 - Install and Operation Guide (PDF)
- **Pricing**
 - AddPac Technology Regional Sales Manager
 - Authorized Sales and Marketing Representatives
 - Please Contact www.addpac.com



Thank you!

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