

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

Sales and Marketing

www.addpac.com

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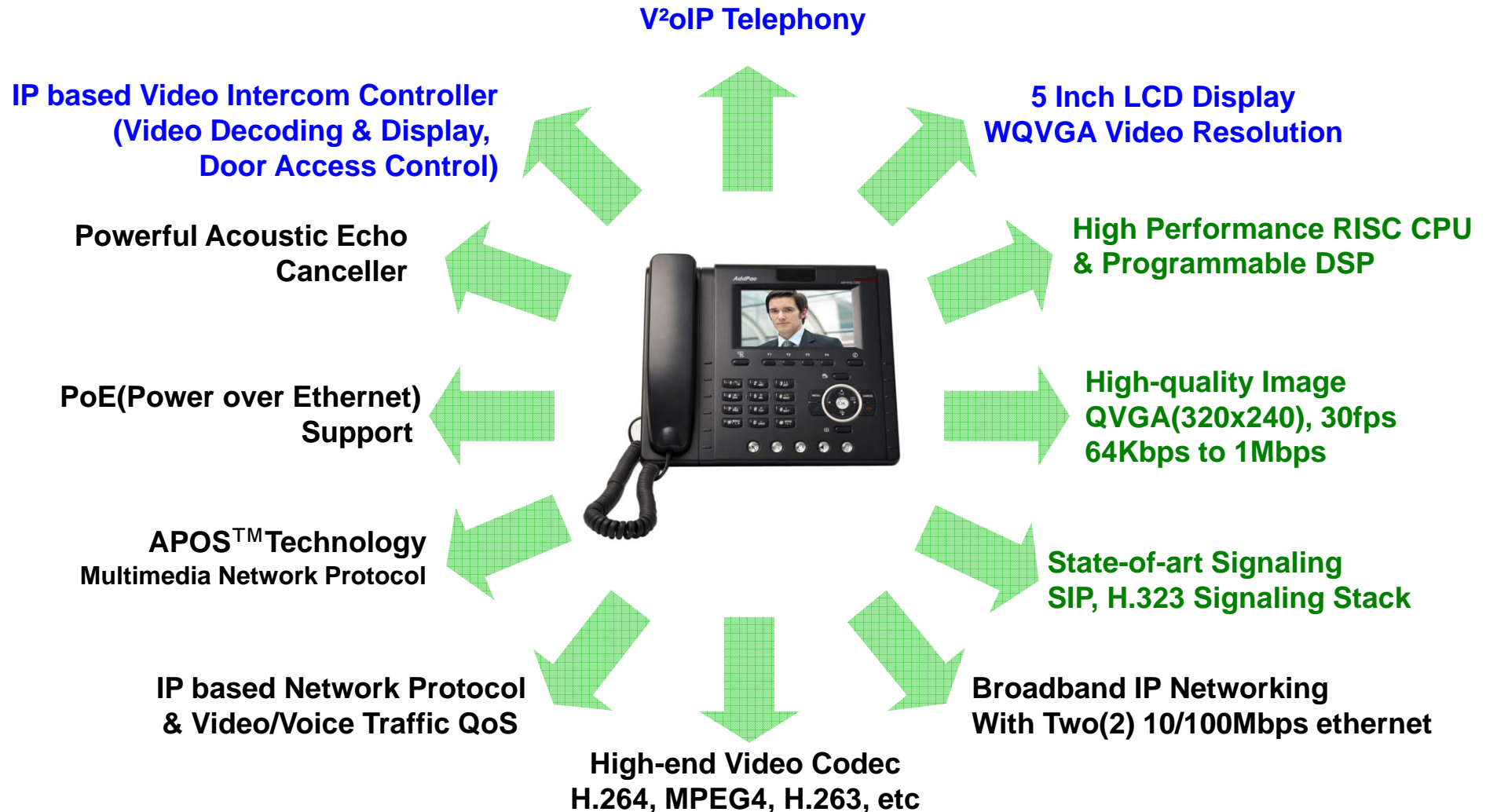
Product Overview

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

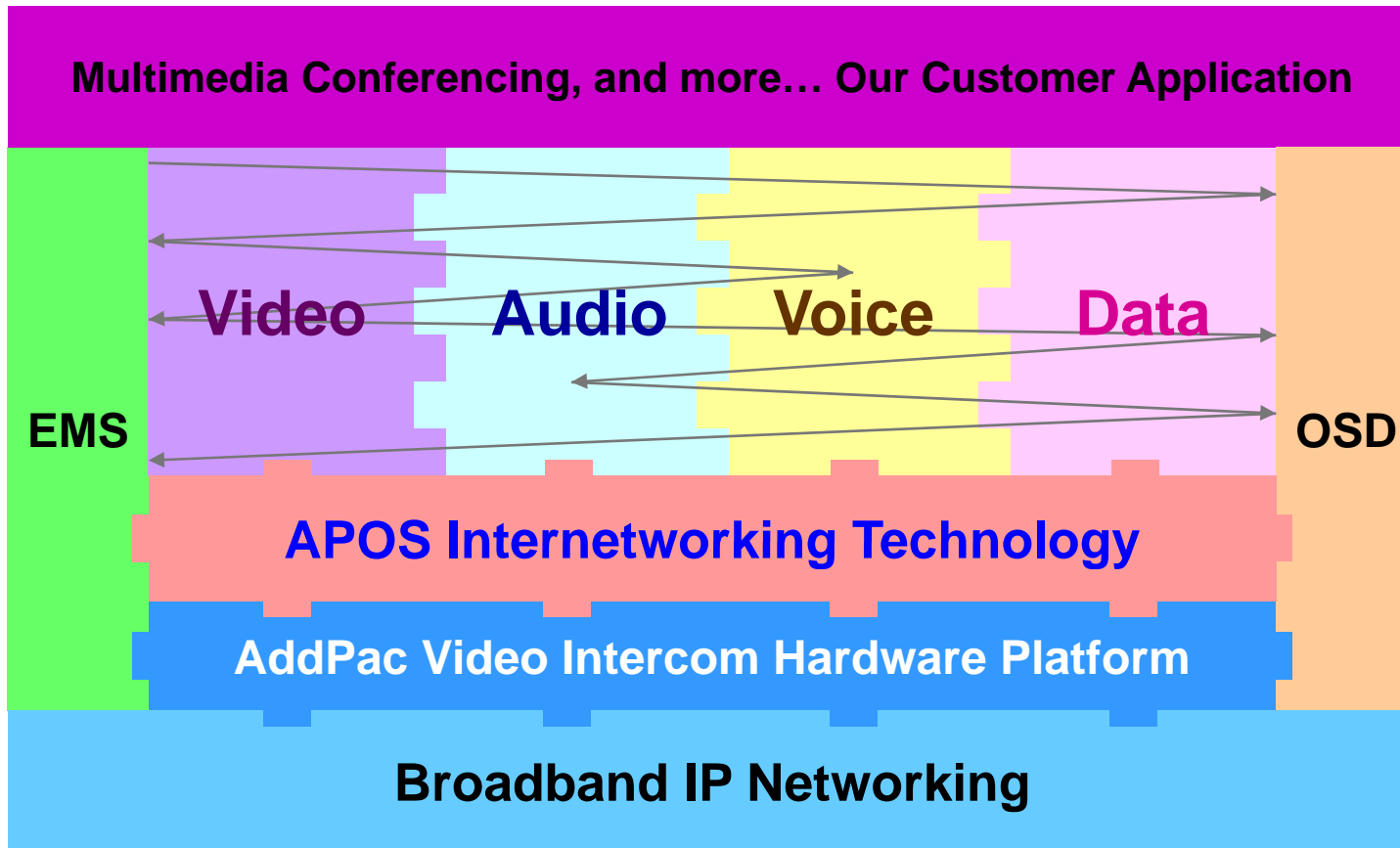
Product Highlights

AP-VIC100 IP Video Intercom Controller



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

AddPac

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Hardware Specification

AP-VIC100 IP Video Intercom Controller

RISC
CPU

High-end
DSP



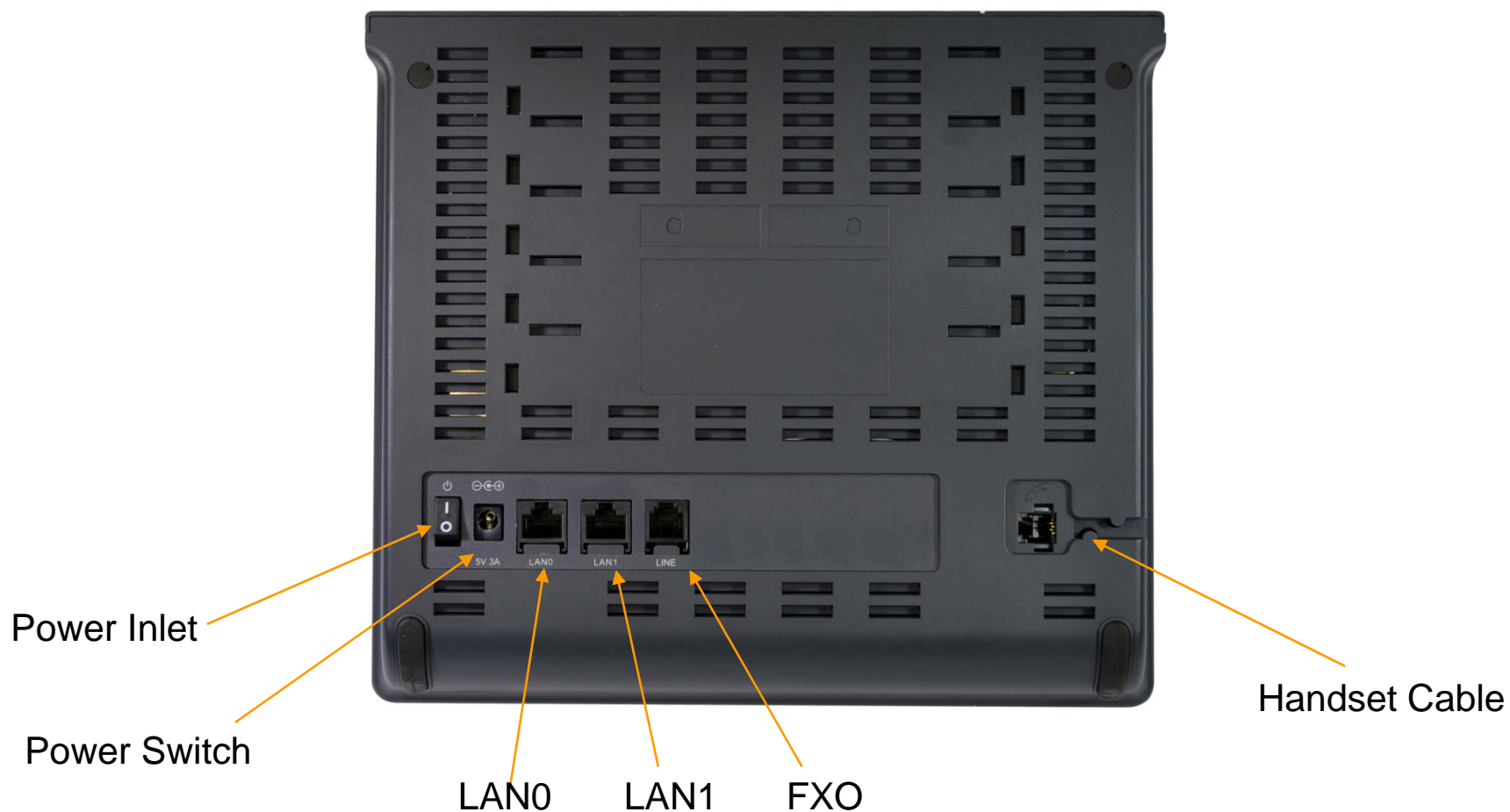
Audio In/Out
for Headset

Hardware Specification

AP-VIC100 IP Video Intercom Controller

RISC
CPU

High-end
DSP



AddPac

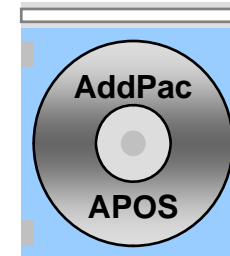
10/100Mbps Fast Ethernet

www.addpac.com

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

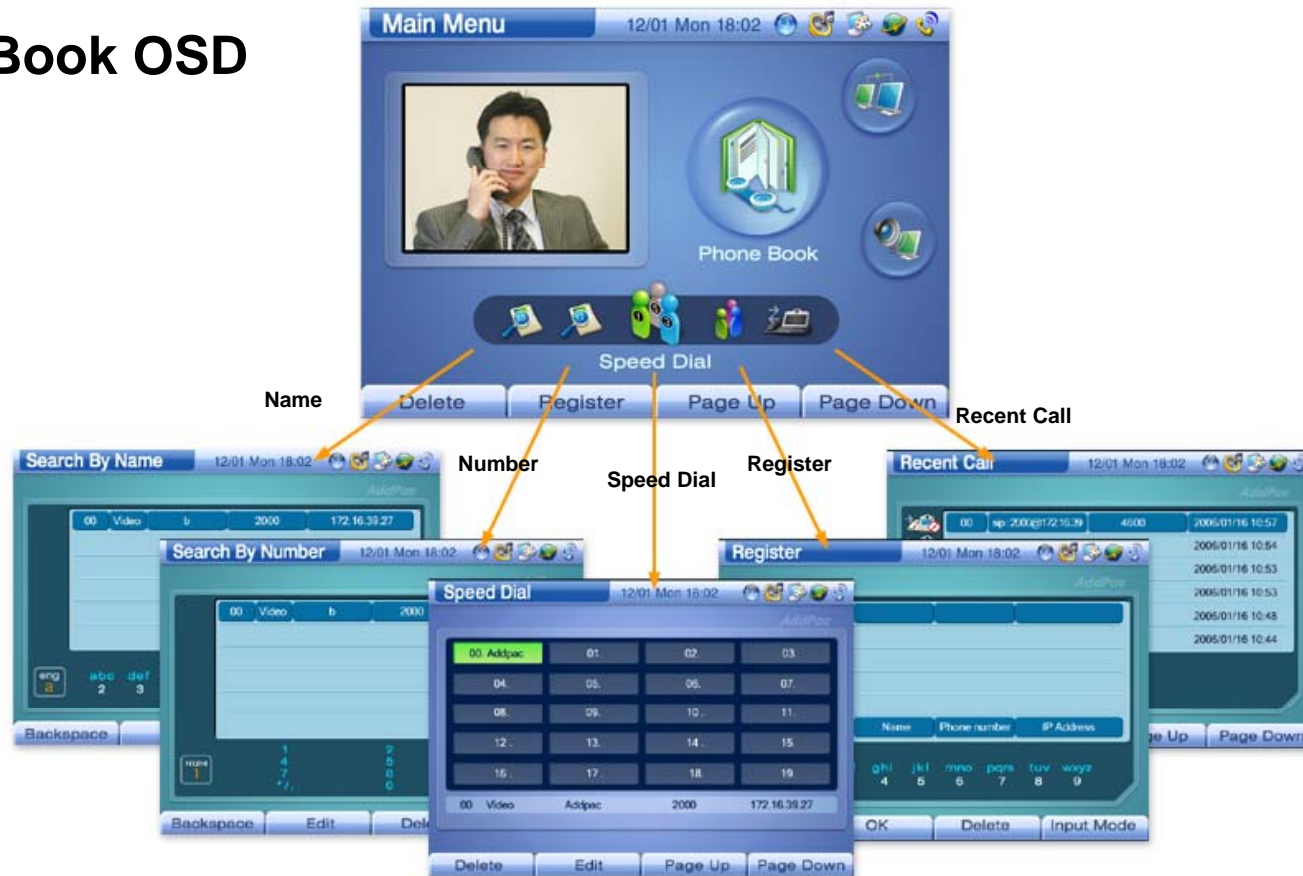
AV Setup OSD



OSD Software Features

AP-VIC100 IP Video Intercom

Phone Book OSD



OSD Software Features

AP-VIC100 IP Video Intercom Controller

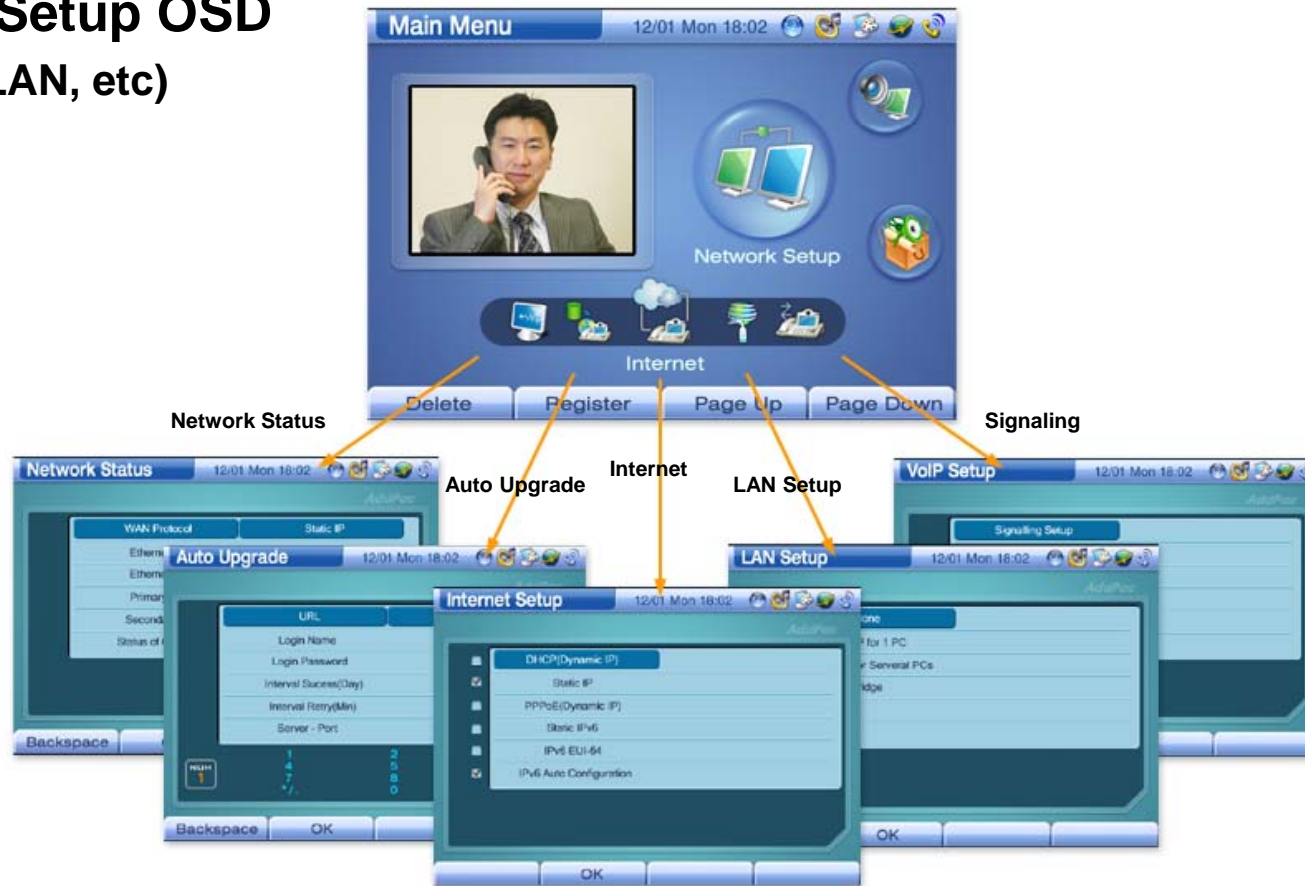
Tool Box OSD (Ring Type, Language Setup, etc)



OSD Software Features

AP-VIC100 IP Video Intercom Controller

Network Setup OSD (VoIP, LAN, etc)



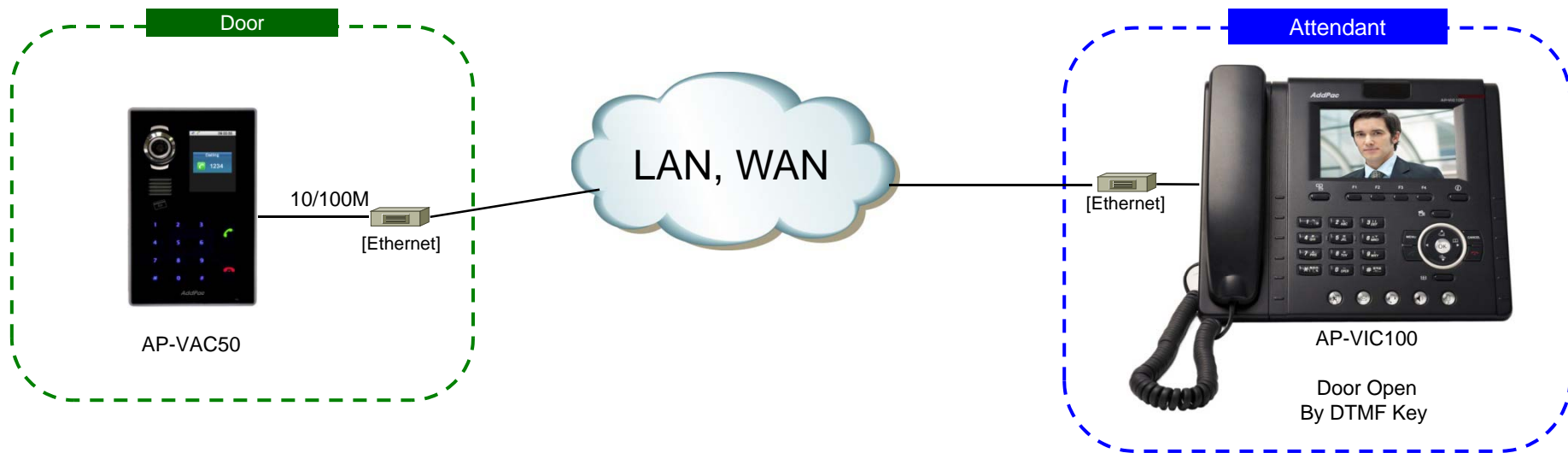
AP-VIC100 IP Video Intercom Controller

Application Area

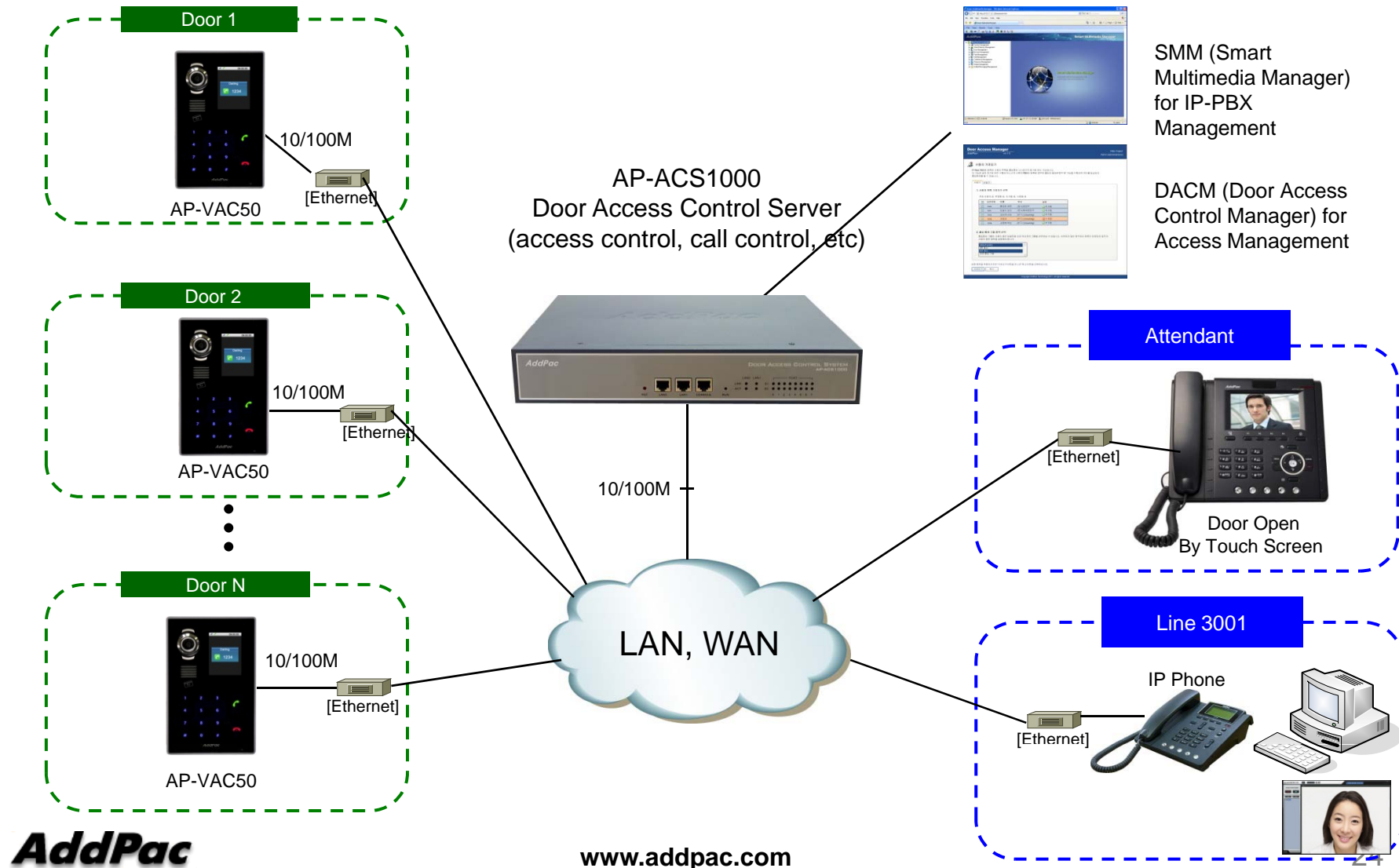
- Point-to-Point Application (Simple Application)
- Point-to-Multipoint Application
 - All AddPac Solution
(Call Manager + Door Access Control Server)
 - Legacy PBX Environment
 - Legacy IP-PBX Environment



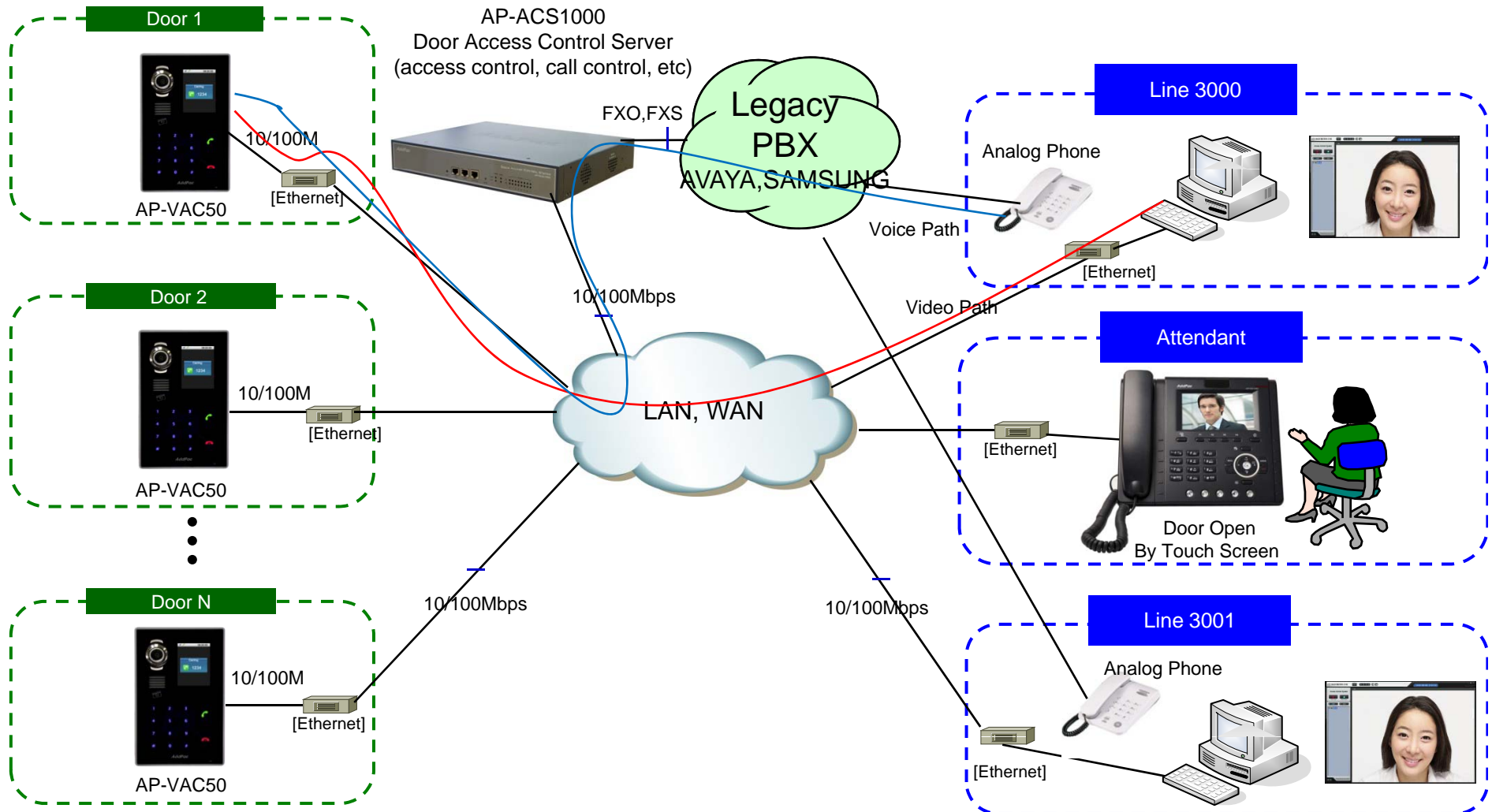
Point-to-Point Connection (Simple Appl.)



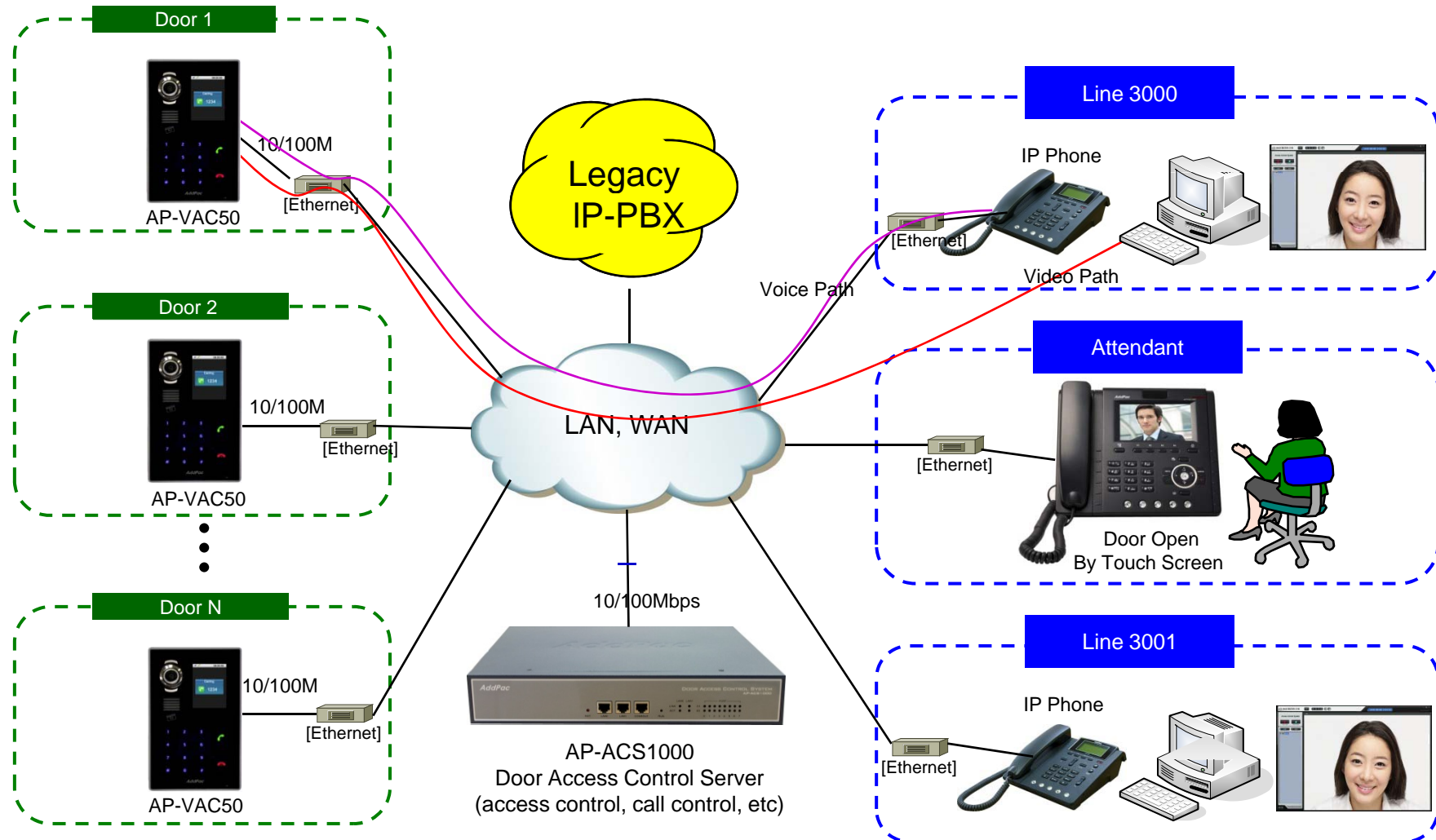
Integrated Door Access Control and Call Control (All AddPac Solution)



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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Sales and Marketing

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