AP-WP100 Wi-Fi IP Phone Solution

AddPac Technology

Sales and Marketing

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- Product Overview
- Hardware Specification
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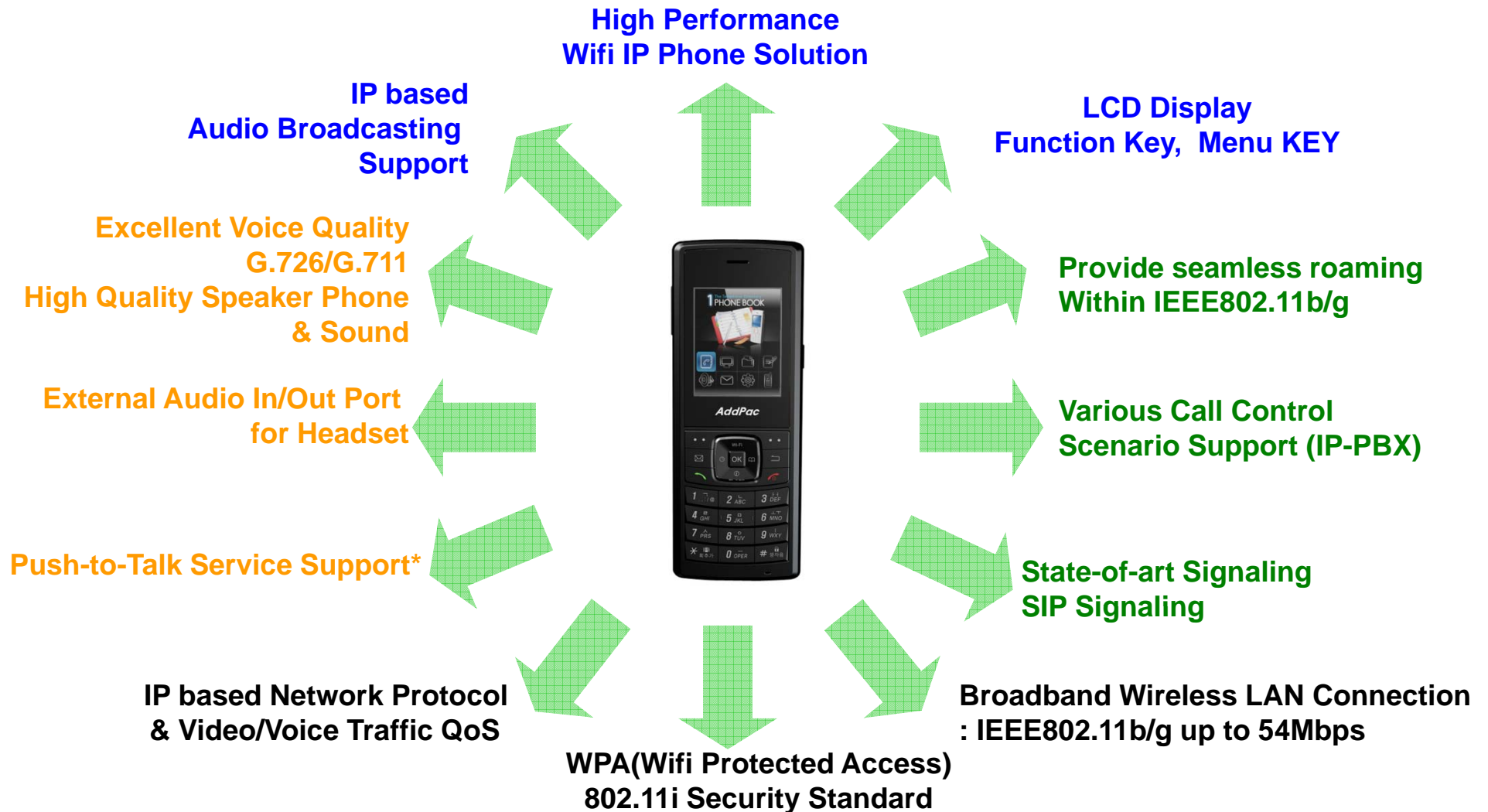- Application Area
- Ordering Information

Product Overview

- Wifi IP Phone Solution
- Wifi IP Audio Broadcasting Terminal Solution
- High-performance Audio, and Voice Service
- Firmware Upgradeable Architecture
- VoIP Solution with Outstanding Network Service Capability
- Audio Privacy Protection

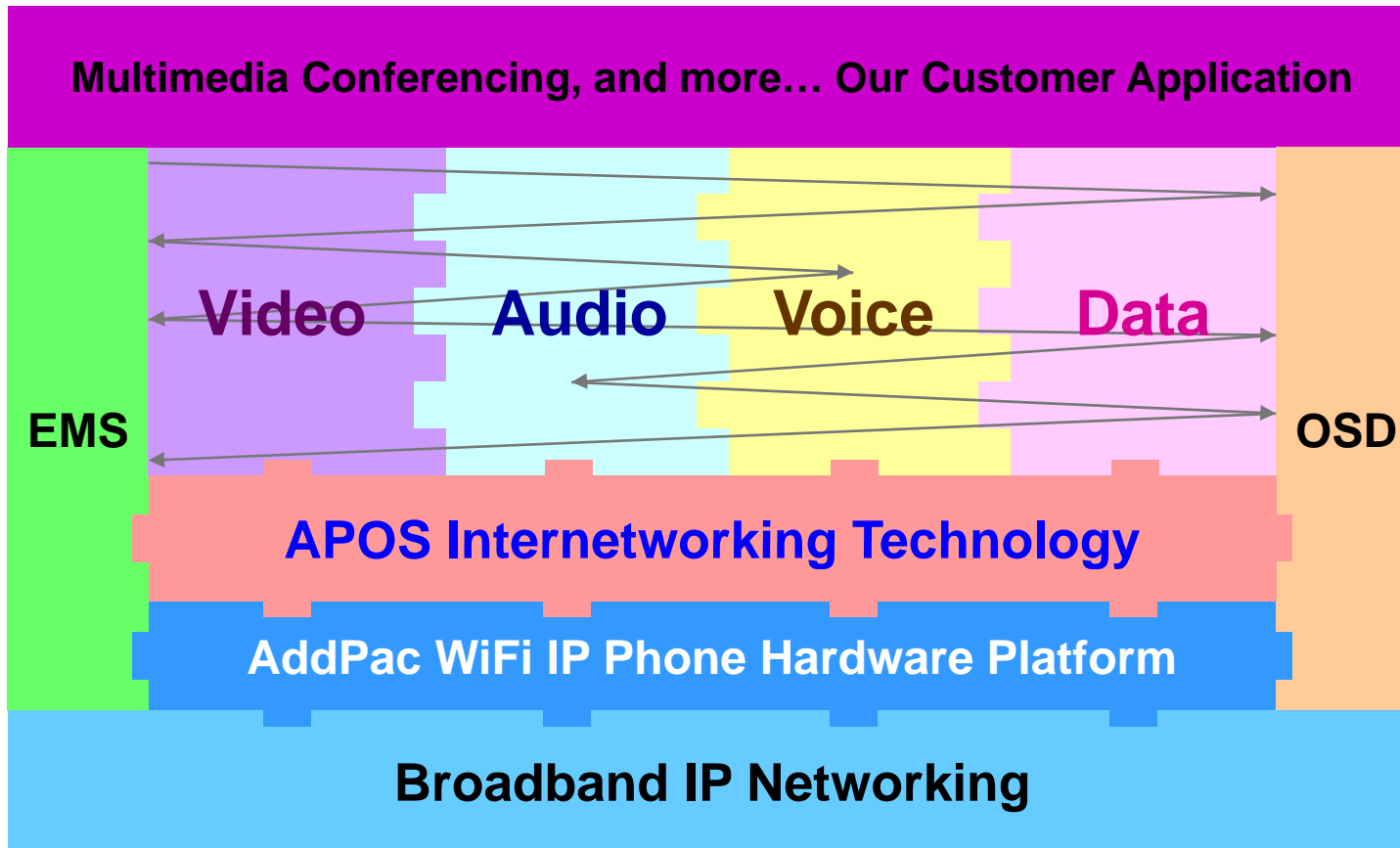**AddPac**

Product Highlights

AP-WP100 Wi-Fi IP Phone

High Performance Wifi IP Phone Solution

IP based Audio Broadcasting Support

LCD Display Function Key, Menu KEY

Excellent Voice Quality G.726/G.711 High Quality Speaker Phone & Sound

Provide seamless roaming Within IEEE802.11b/g

External Audio In/Out Port for Headset

Various Call Control Scenario Support (IP-PBX)

Push-to-Talk Service Support*

State-of-art Signaling SIP Signaling

IP based Network Protocol & Video/Voice Traffic QoS

WPA(Wifi Protected Access) 802.11i Security Standard

Broadband Wireless LAN Connection : IEEE802.11b/g up to 54Mbps

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Multimedia Service

AP-WP100 Wi-Fi IP Phone

Multimedia Conferencing, and more… Our Customer Application

Video **Audio** **Voice** **Data**

EMS   **OSD**

APOS Internetworking Technology

AddPac WiFi IP Phone Hardware Platform

Broadband IP Networking

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

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Hardware Specification

- Microprocessor
  - RISC processor(ARM920T CPU core)

- Memory
  - NAND FLASH : 32Mbyte
  - mSDRAM   : 32MByte

- Wireless
  - IEEE802.11b/g Support
  - Operating Frequency : 2.4GHz
  - 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps, auto rate
  - 802.11b: 11, 5.5, 2, 1Mbps, auto rate
  - Operating Channels :IEEE Channels 1–14

- Audio Interface
  - 2 x MIC-IN, Receiver OUT, Speaker OUT , Head Phone OUT
  - Interface : I2S (Chip Set : CS42L52)

- Display
  - LCD : 220 X 176 260K Color 2" TFT LCD (16bit data bus)

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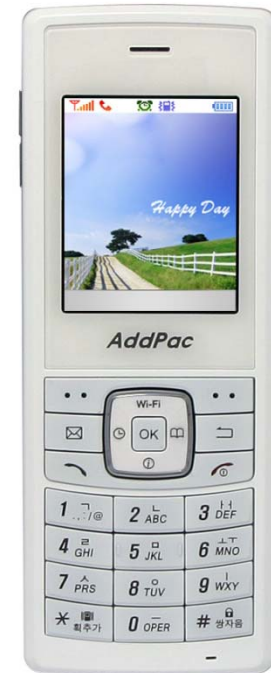
Hardware Specification

- IO PORT
  - Ear-phone jack 2.5mm, 4 Contact
  - 24PIN Data Connector
    - USB Device, RS232 TTL, Battery Charge 4.2V or 5V(USB)
  - 3PIN Battery Charge Connector(4.2V)
- Other
  - 23 Keys (Front) + 4 Keys (Side) , 8 Back Light LEDs
  - Vibration Motor
  - Battery : 3.7V, 1330mAh Lithium Polymer Battery (Inner Pack Type)

Software Service

- Built-in AddPac APOS Internetworking Software
    - Scalability, Functionality, and Stability Features
    - Audio Traffic QoS Control
- Programmable Audio, and Voice Services
    - Audio, and Voice Codec
- Firmware Upgradeable Architecture
- Industry Standard IP based Network Protocol Features

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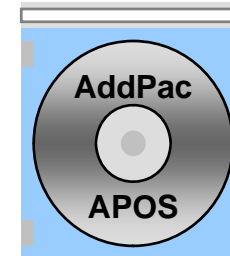
Network Service and Features

AP-WP100 Wi-Fi IP Phone

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
  - IPv4/IPv6 policy control (QoS)
  - VPDN (Virtual Provate Dial-up Network : L2TP Server)

Network Service and Features

AP-WP100 Wi-Fi IP Phone

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)

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Network Service and Features

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

SNMP MIBs

- MIB-II
- RMON MIBs (Statistsics, 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
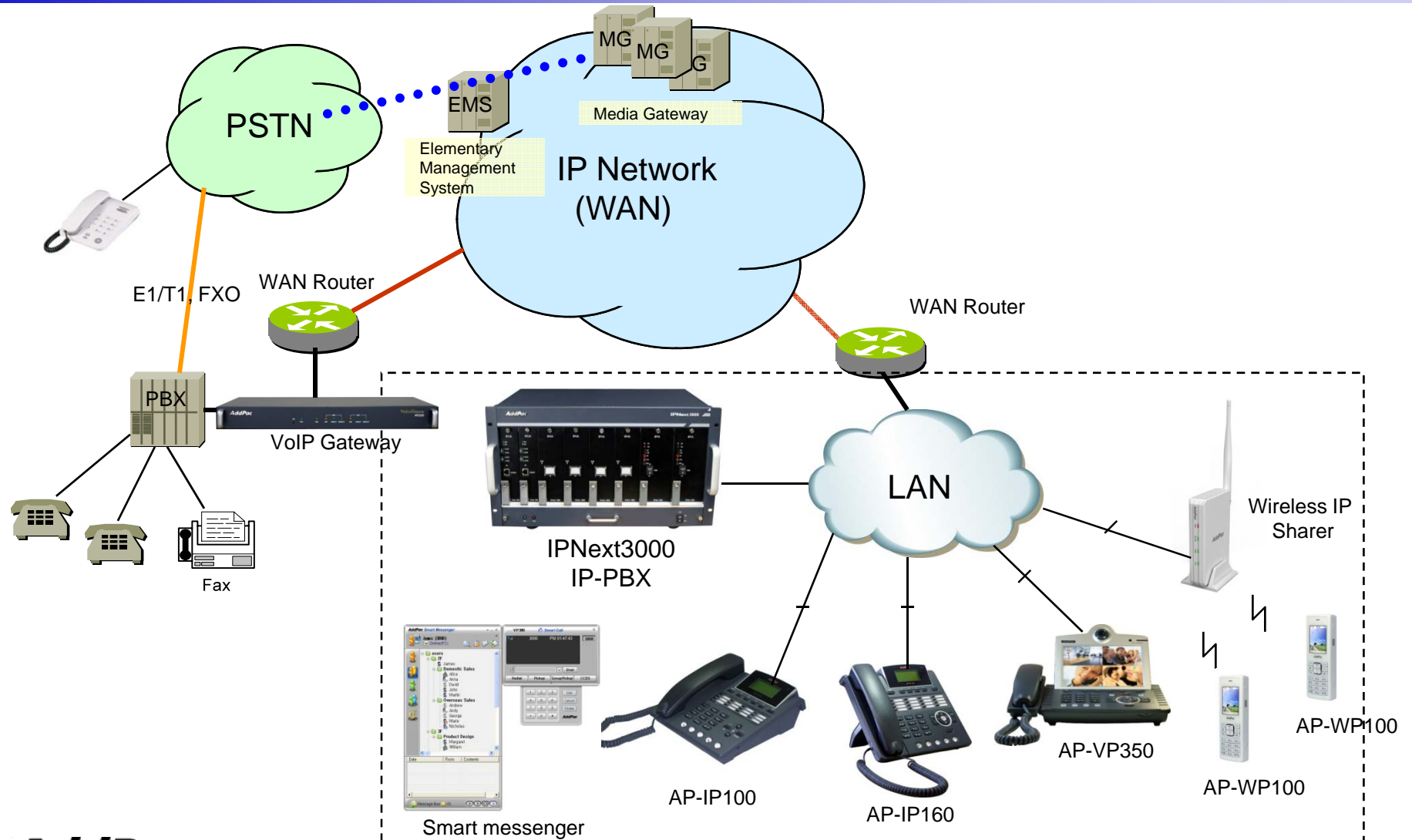- etc

Application Area

AP-WP100 Wi-Fi IP Phone

- IP-PBX IP Phone Terminal (SIP Signaling)
- IP Audio Real-time Broadcasting
- Audio Conference
- Push-talk Service
- ISP Model (Large Scale, Ex: IP Centric Service)

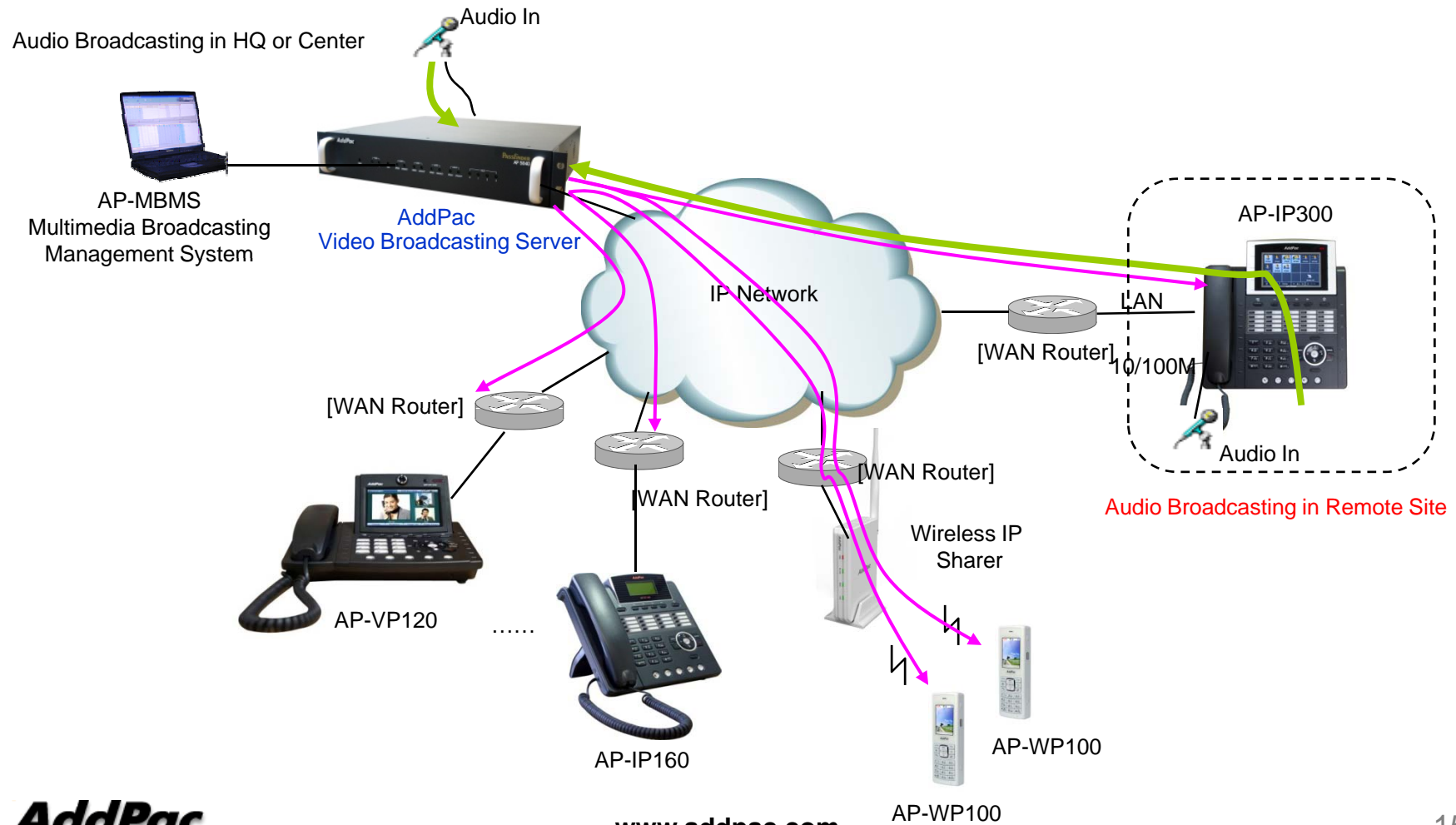**AddPac**

Standard IP-PBX Application
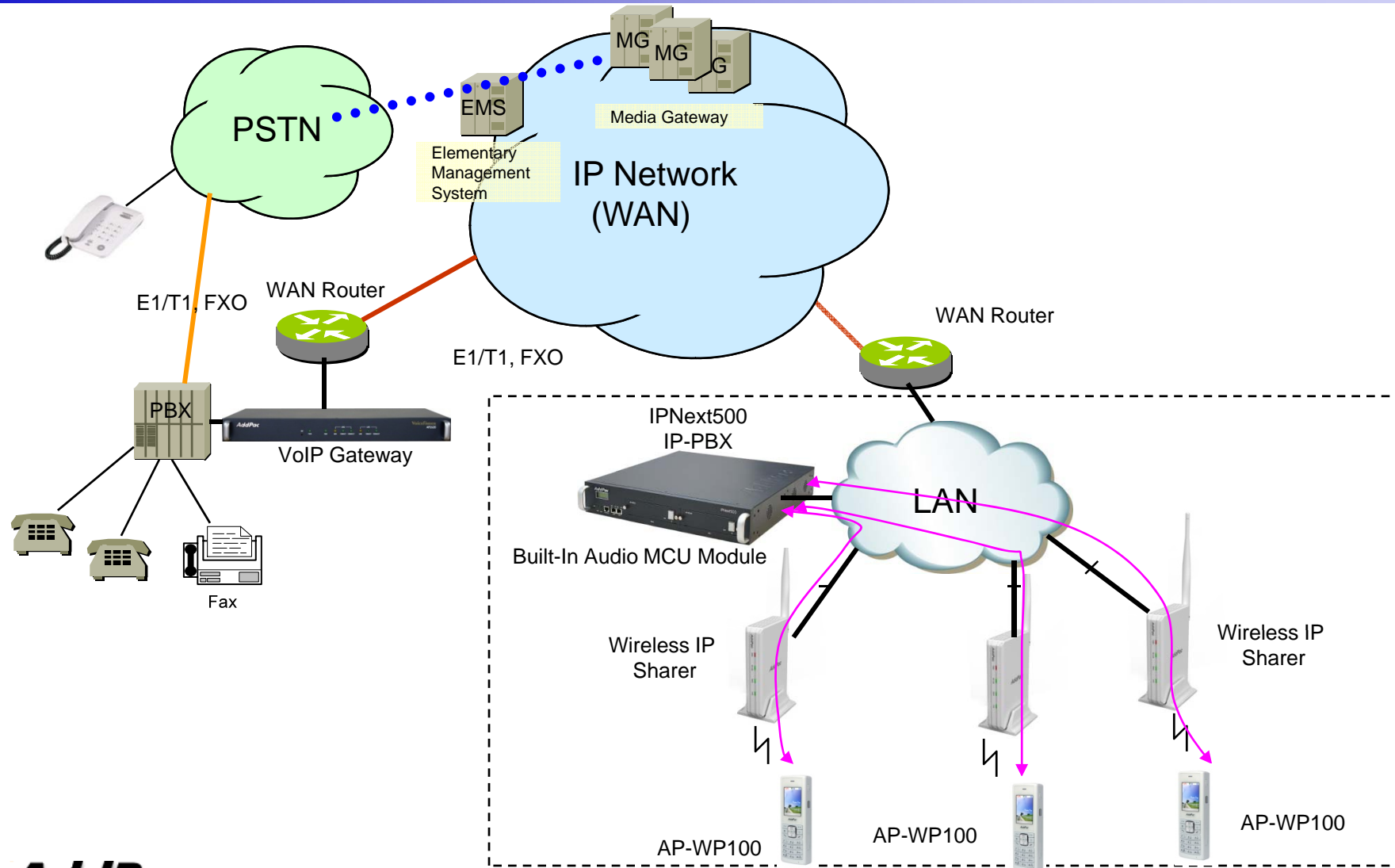
AP-WP100 Wi-Fi IP Phone

Audio Real-time Broadcasting

AP-WP100 Wi-Fi IP Phone

Remote Site Audio and Video Broadcasting Service
(Video, Audio/Voice, and more…)

Audio In

Audio Broadcasting in HQ or Center

AP-MBMS
Multimedia Broadcasting
Management System

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Video Broadcasting Server

IP Network

LAN

[WAN Router]

10/100M

AP-IP300

Audio In

Audio Broadcasting in Remote Site

[WAN Router]

[WAN Router]

[WAN Router]

Wireless IP
Sharer

AP-VP120

......

AP-IP160

AP-WP100

AP-WP100

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Audio Conferencing (IP-PBX Built-In Audio MCU)

AP-WP100 Wi-Fi IP Phone

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Push-talk-Service (Wire-to-Wireless)

AP-WP100 Wi-Fi IP Phone

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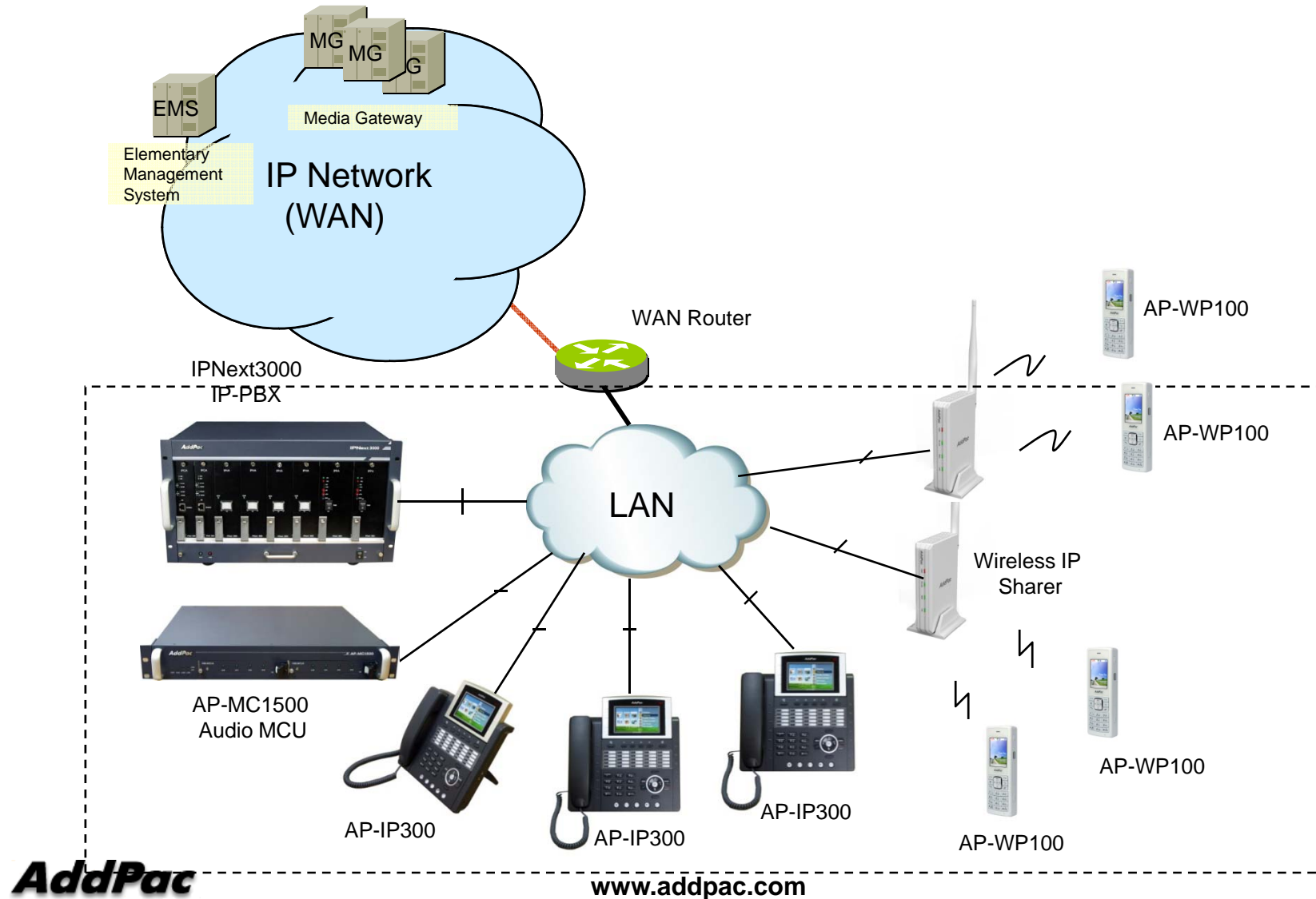
IP Centrex Service
AP-WP100 Wi-Fi IP Phone

Video/Audio MCU

Voice Recording Server

NMS

RBT/UMS/IVR/PS Application Server

LDAP

IPNext10000 Softswitch

SBC Session Board Controller

Internet

Internal Line Number 1xxx

Internal Line Number 1xxx

Internal Line Number 1xxx

Internal Line Number 2xxx

Company A (Internal PBX)

Company B (Phone)

Company C (Internal PBX)

Company D (Phone)

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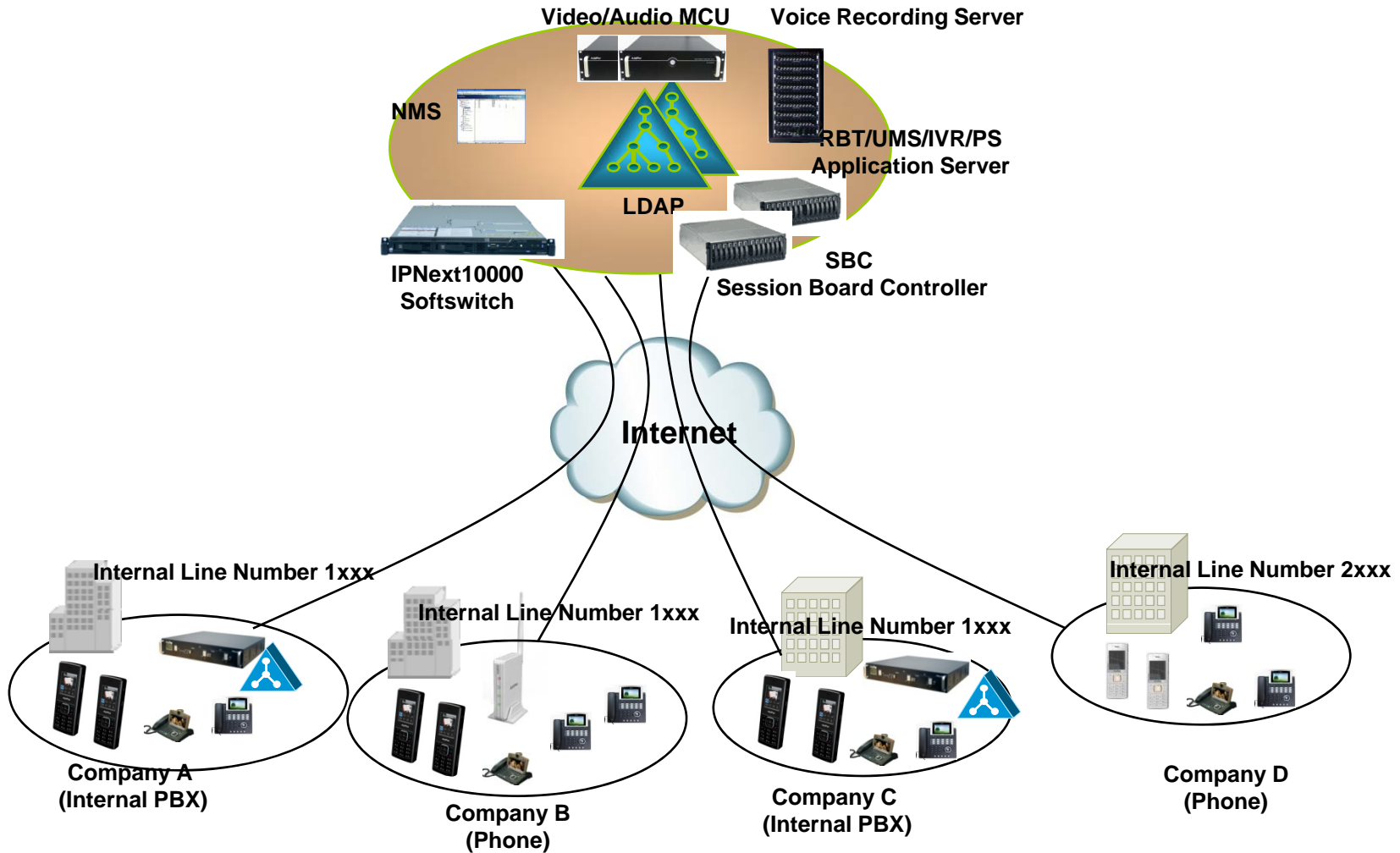
Ordering Information

- AP-WP100 Wi-Fi IP Phone Hardware
  - AP-WP100 Wifi IP Phone Main Body
  - Wifi Phone Stand with External Battery Charge Function
  - External Power Adaptor : Option
  - Including Battery Pack etc.
- Built-in APOS Internetworking Software for AP-WP100
- 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

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Thank you!

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