

AP-ABS5000

IP High Quality Audio Broadcasting Server

High Performance IP based Multichannel IP High Quality Audio Broadcasting Server

IP Broadcasting Service via Cellular Phone
(LTE, 3G, etc)



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Product Overview

AP-ABS5000 IP High Quality Audio Broadcasting Server

- IP based Audio Broadcasting Solution
- Hardware Architecture for Multichannel Audio Broadcasting Service
- Ten(10) Module Slots for Multichannel Audio Encoding Service
- High Quality Audio Codec Support (G.711, etc)
- **FXO PSTN Interface Support for Cellular based Broadcasting Service**
- Unicast and Multicast Broadcasting Scheme
- Enhanced MBMS (Multimedia Broadcasting Management System) Support
- Multichannel Audio IN/OUT Port
- High-Quality Audio/Voice Service
- Firmware Upgradeable Architecture
- Broadcasting Solution with Outstanding Network Service Capability
- Module based Power Supply
- Dual Power Supply for Power Duplication

Hardware Specification

AP-ABS5000 IP High Quality Audio Broadcasting Server



RISC
CPU



High-end
DSP

- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Ten(10) Module Slots for Audio Broadcasting Codec Module, FXO VoIP Module, etc
- Module Type Dual Power Supply
- High quality Audio and Voice Interface
 - Stereo Audio Input Connector
 - Stereo Audio Output Connector
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet (RJ45)
 - One(1) RS-232C Interface (RJ45) for Command Line Interface

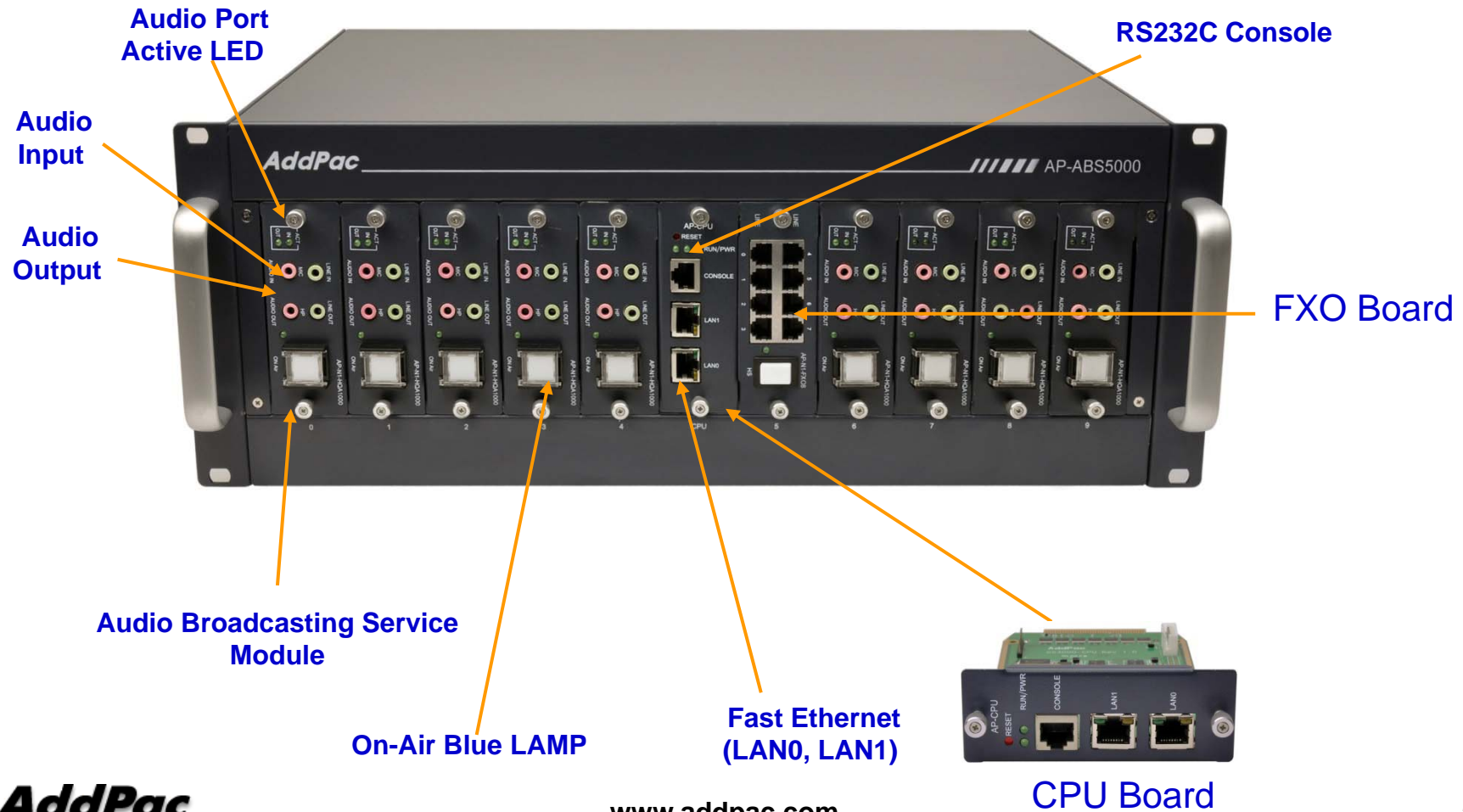
Hardware Specification

AP-ABS5000 IP High Quality Audio Broadcasting Server

RISC
CPU

High-end
DSP

AP-ABS5000 Front Side



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Hardware Specification

AP-ABS5000 IP High Quality Audio Broadcasting Server

RISC
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High-end
DSP

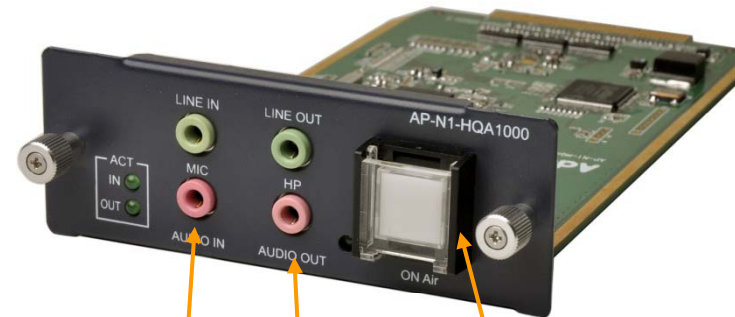
AP-CPU Board



RS232C Console

Fast Ethernet
(LAN0, LAN1)

AP-N1-HQA1000 Board



Audio IN
(MIC, Line IN)

Audio OUT
(HP, Line OUT)

ON-AIR Blue LAMP

Hardware Specification

AP-ABS5000 IP High Quality Audio Broadcasting Server

RISC
CPU

High-end
DSP

AP-N1-FXO8 Board



FXO Analog Interface

Hardware Specification

AP-ABS5000 IP High Quality Audio Broadcasting Server

RISC
CPU

High-end
DSP

AP-ABS5000 Back Side



Power ON/OFF Switch
Power Input Switch


Hardware Specification

AP-ABS5000 IP High Quality Audio Broadcasting Server

RISC
CPU

High-end
DSP

AP-ABS5000 Audio Modules

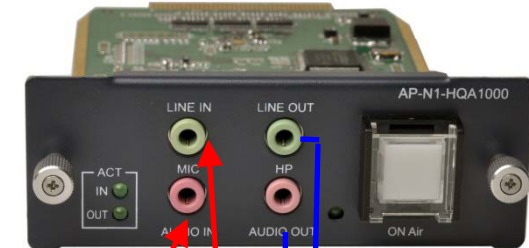
| Audio Module Type (AP-N1-HQA1000) | Audio Module Features | Maximum Audio Channel in AP-ABS5000 |
|--|---|--|
|  | 1-Channel Audio In/Out Port Audio IN : MIC, Line IN Audio OUT : Headphone, Line OUT 3.5mm Stereo JACK High Quality G.711,etc, Audio Codec | Up to 10 channel = 10 Module x 1 Channel |

AP-HQA Module

AP-ABS5000 IP High Quality Audio Broadcasting Server

RISC
CPU

High-end
DSP



Connect with 1:2 Stereo Jack

Connect with 2:1 Stereo Jack

Direct MIC

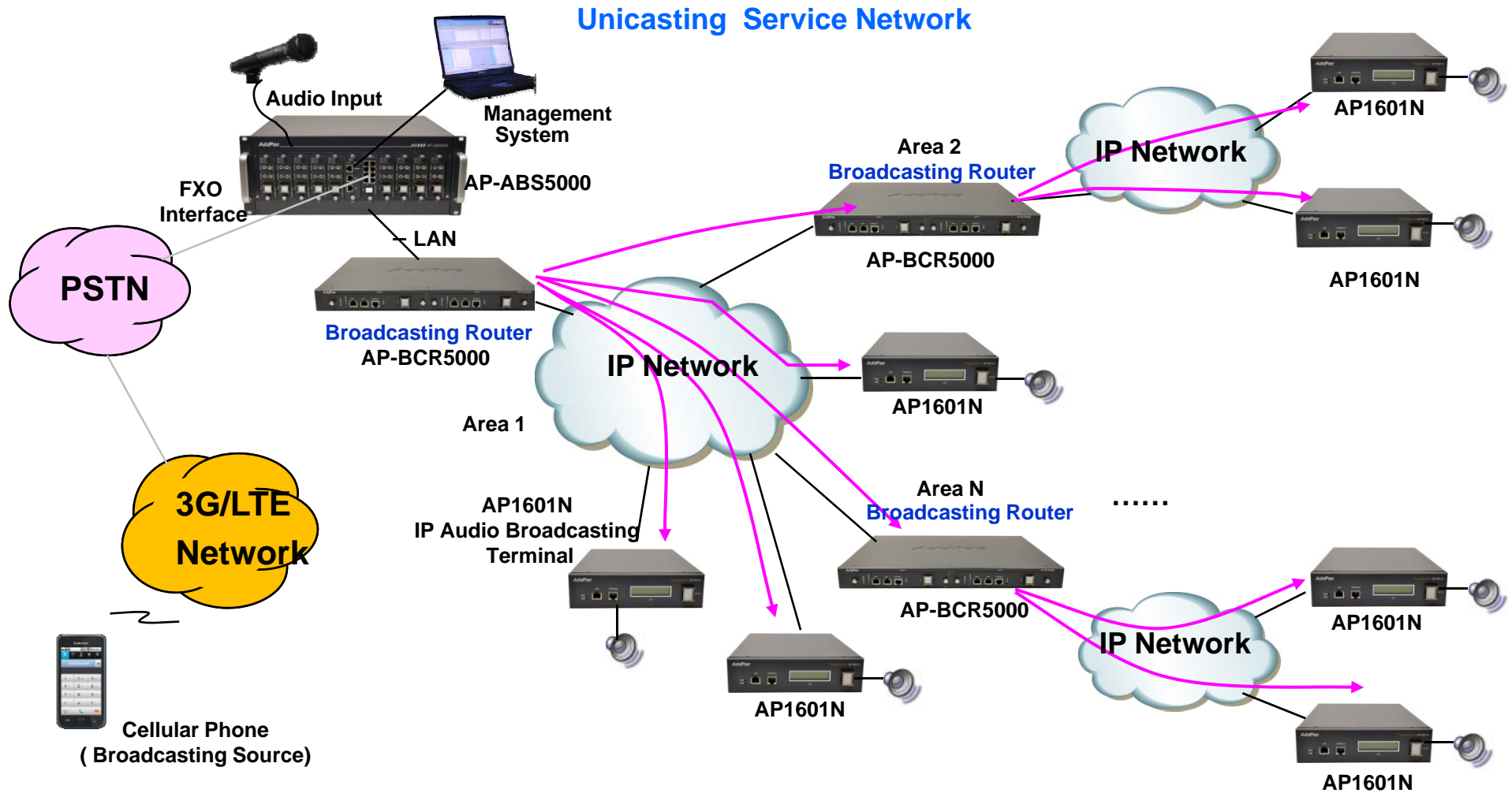
- High quality codec realizes high quality audio service
- Direct MIC-In/ Headphone In Port for monitoring
- Real time High Quality Audio Band Broadcasting



Headphone

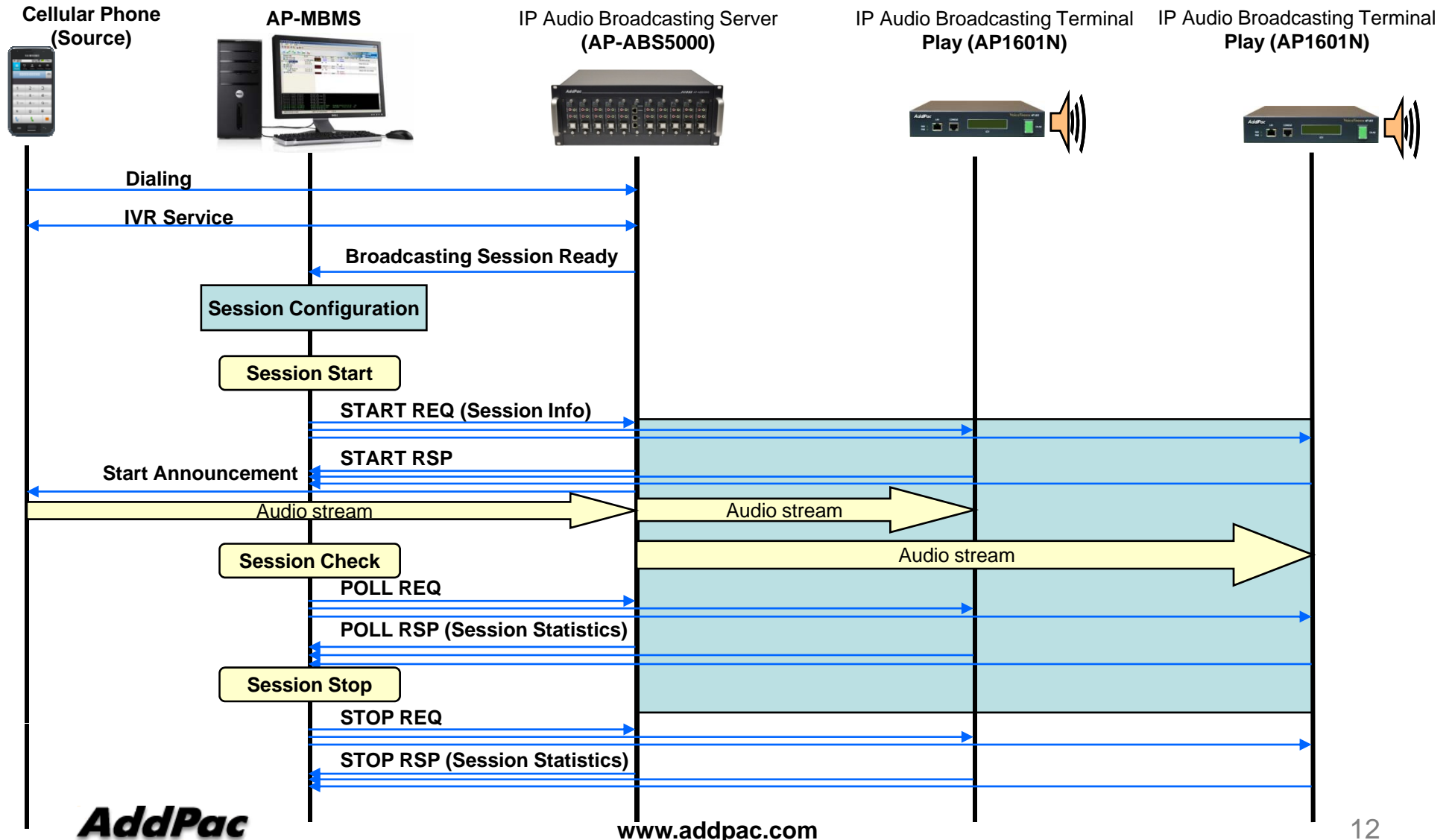
Unicast Service Network Diagram

AP-ABS5000 IP High Quality Audio Broadcasting Server



IP Audio Broadcasting Signal Flow

AP-ABS5000 IP High Quality Audio Broadcasting Server



IP HQ Audio Broadcasting Solution

| Audio Broadcasting Manager S/W | HQ Audio Broadcasting Server AP-ABS5000 | Audio Broadcasting Router (Relay Server) | HQ Audio Broadcasting Terminal AP1601N | AMP. On/Off Power Switch Box AP-PSB |
|---|---|---|--|---|
|  |  |  |  |  |
| <p>Window based Audio Broadcasting Management Software.</p> | <p>Embeded Hardware based Audio Codec. Ten(10) HQ Audio Codec Module. G.711 , etc, Audio Codec.</p> | <p>1:N Audio Broadcasting Router. Gigabit Ethernet Support</p> | <p>Embeded Hardware based Audio Terminal One(1) HQ Audio Codec Module. G.711, etc Audio Codec.</p> | <p>AMP. Power ON/OFF Switch Box. Background Noise Remove at OFF-AIR</p> |

Ordering Information

- **AP-ABS5000 IP High Quality Audio Broadcasting Server Hardware**
 - AP-ABS5000 Main Body
 - RISC Microprocessor with High-end Programmable DSP Architecture
 - 2-ports 10/100Mbps Fast Ethernet and 1-port RJ45 RS-232C Console
 - AP-N1-HQA1000 Module (Up to 10 slot)
 - Including Network Cable Set & Power Supply, etc.
- **Built-in APOS Internetworking Software for AP-ABS5000**
- **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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