

IPNext3000™
NGN IP-PBX System

High Performance Fault Tolerant IP-PBX Solution

RTP Proxy Service for Private IP Problem Solving



AddPac

AddPac Technology

2009, Sales and Marketing

www.addpac.com

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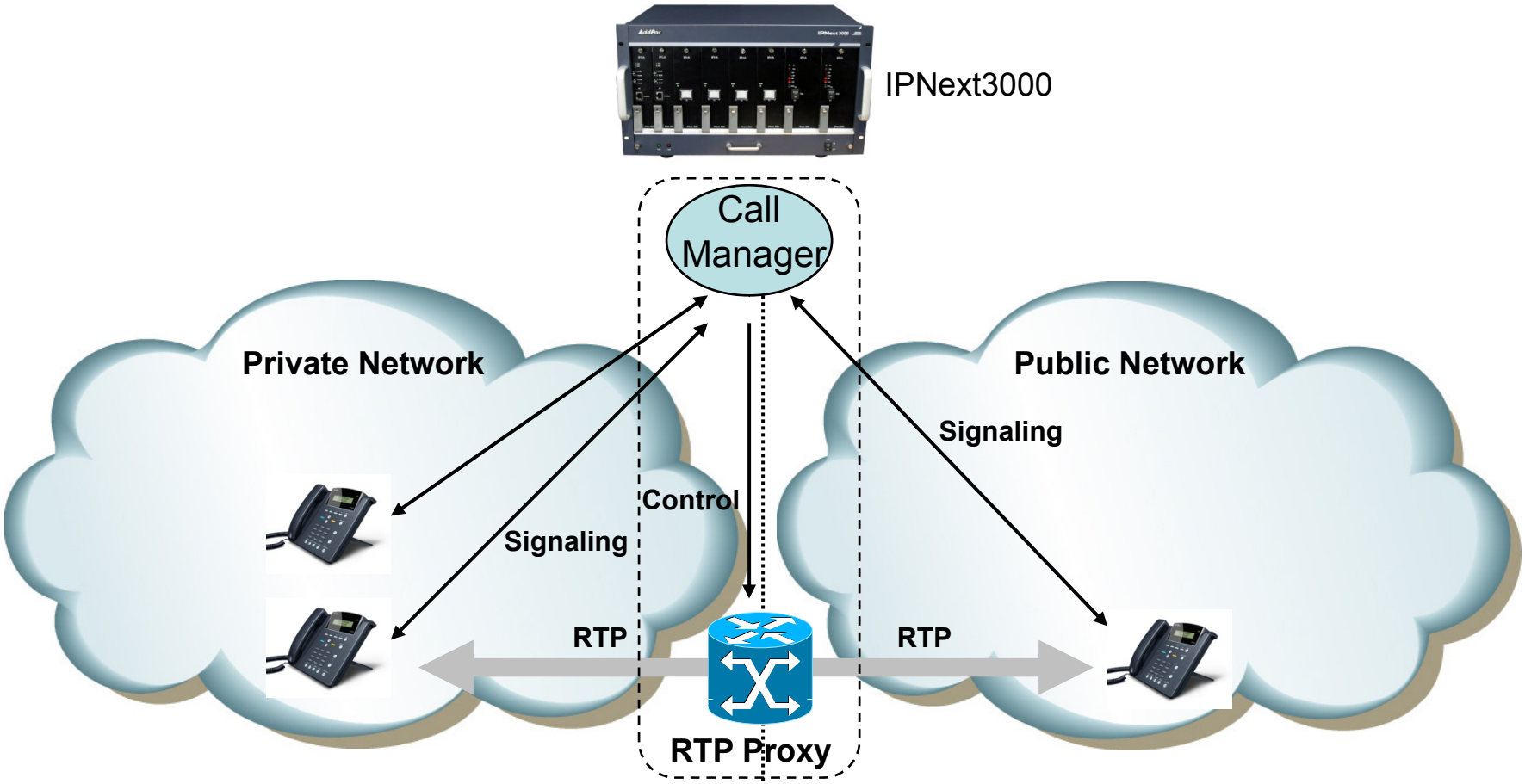
Service Overview

- Protocol Independence (H.323, SIP, MGCP)
- Support RTP Proxy without NAT
- Support Symmetric / Asymmetric NAT
- Support IPv4/IPv6 RTP Proxy
- Support RTP Broadcast
- Support RTP Conference

RTP Proxy Configuration

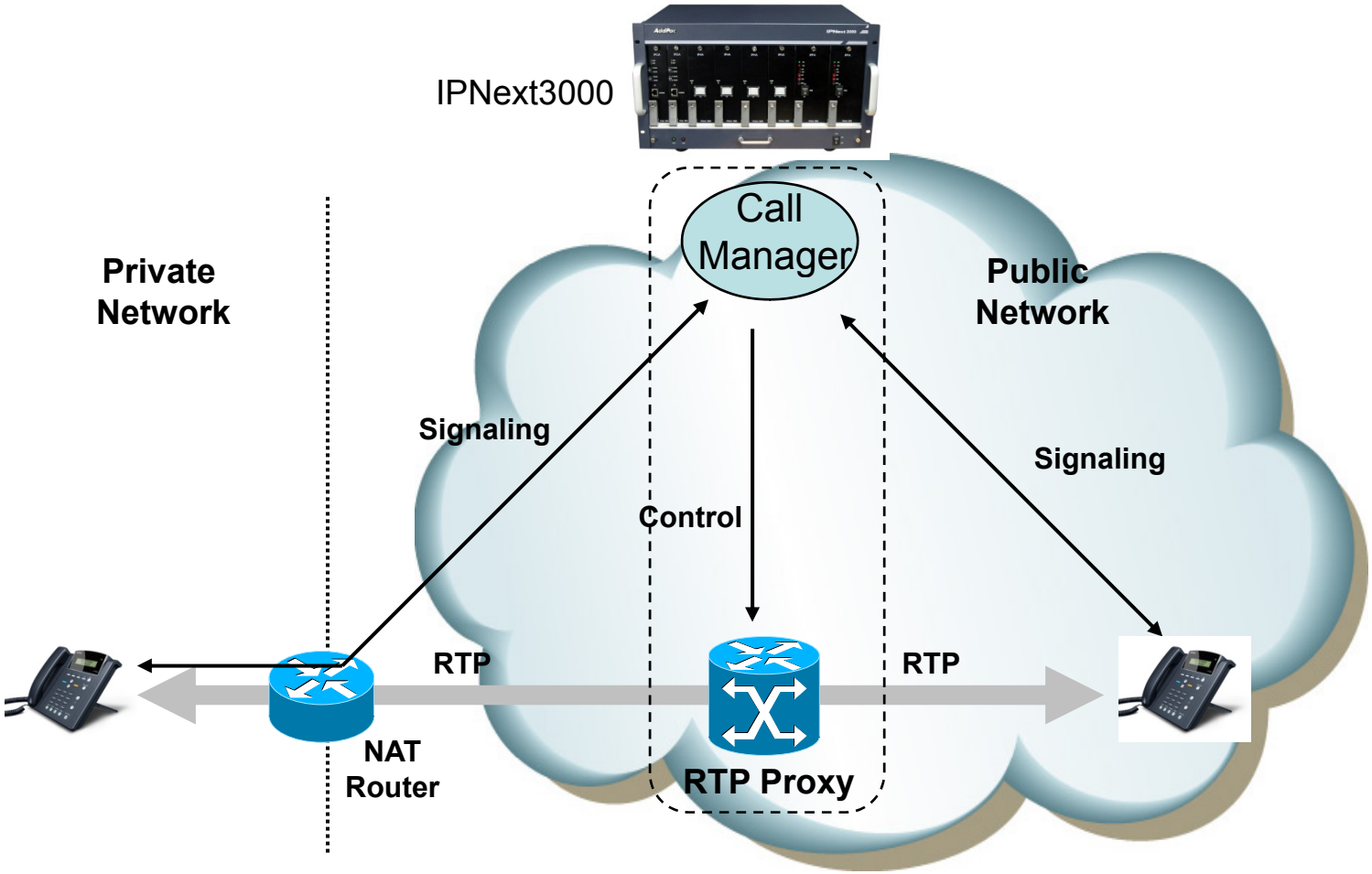


Public/Private RTP Proxy without NAT Router



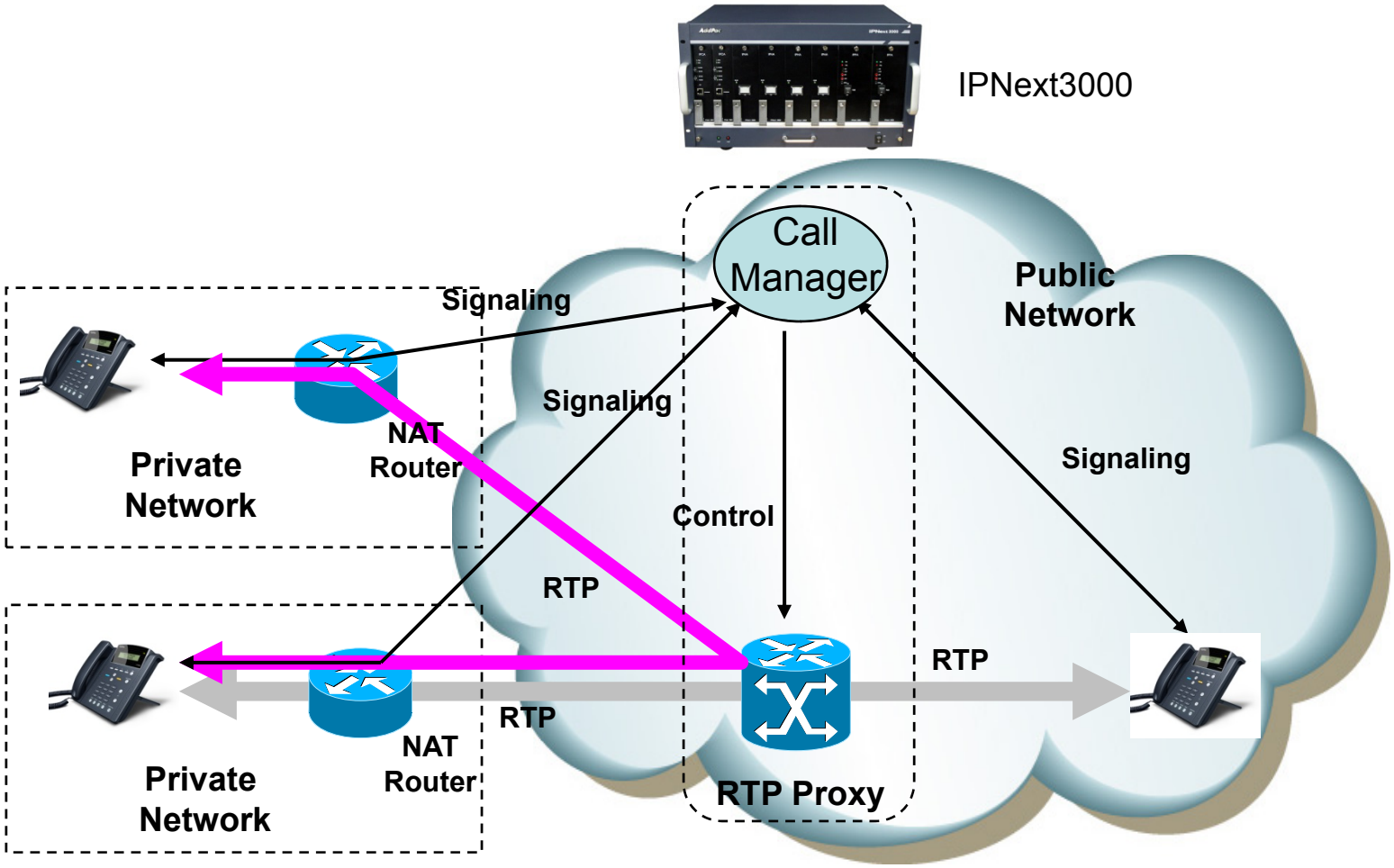
- Located between public and private network
- Call manager and RTP proxy has public and private address
- Call manager determine that the call is internal or external

Asymmetric/Symmetric NAT



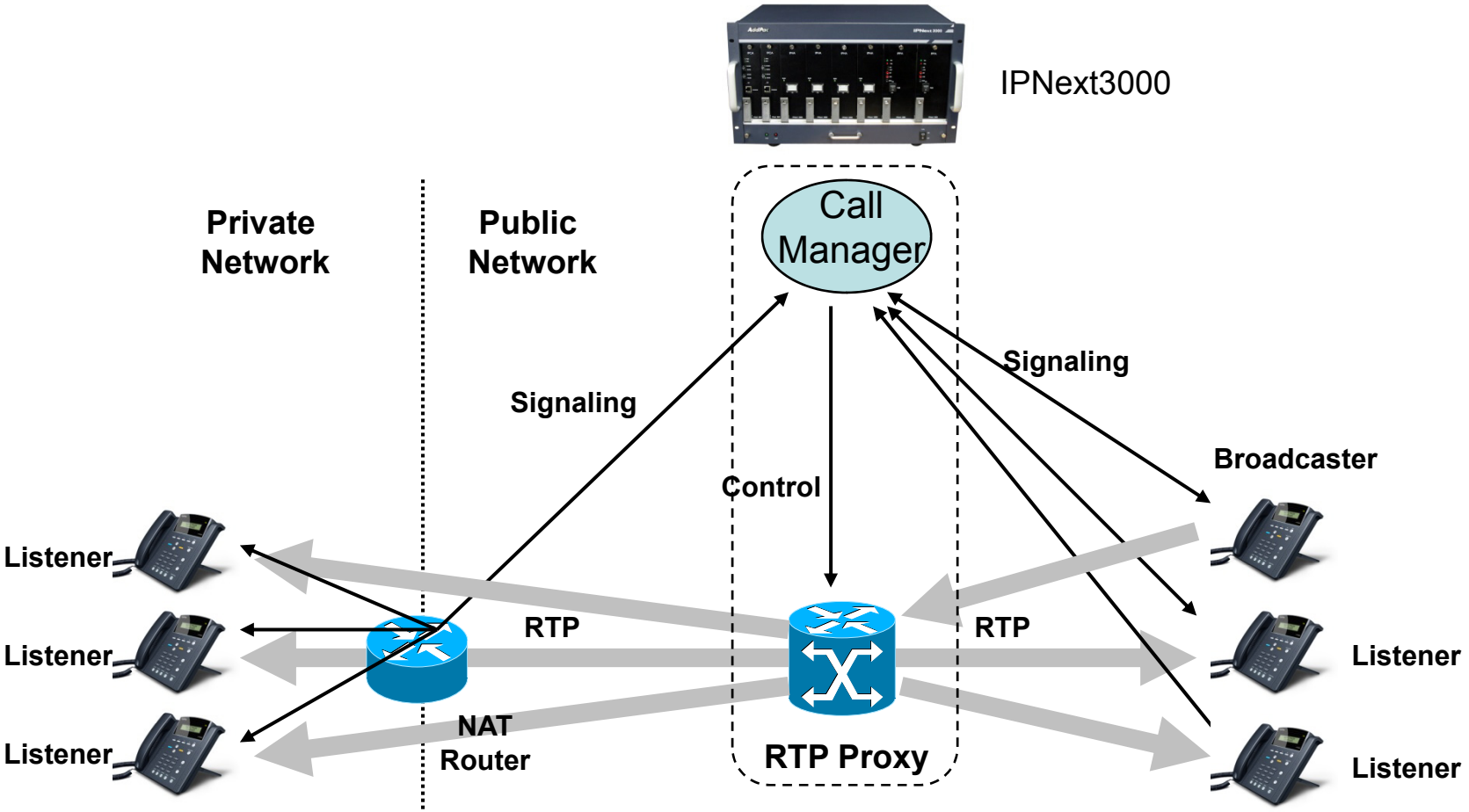
- Located in public network
- RTP Proxy has single public address
- Auto detect for asymmetric NAT via incoming RTP packet

RTP Proxy Communication between Private IP



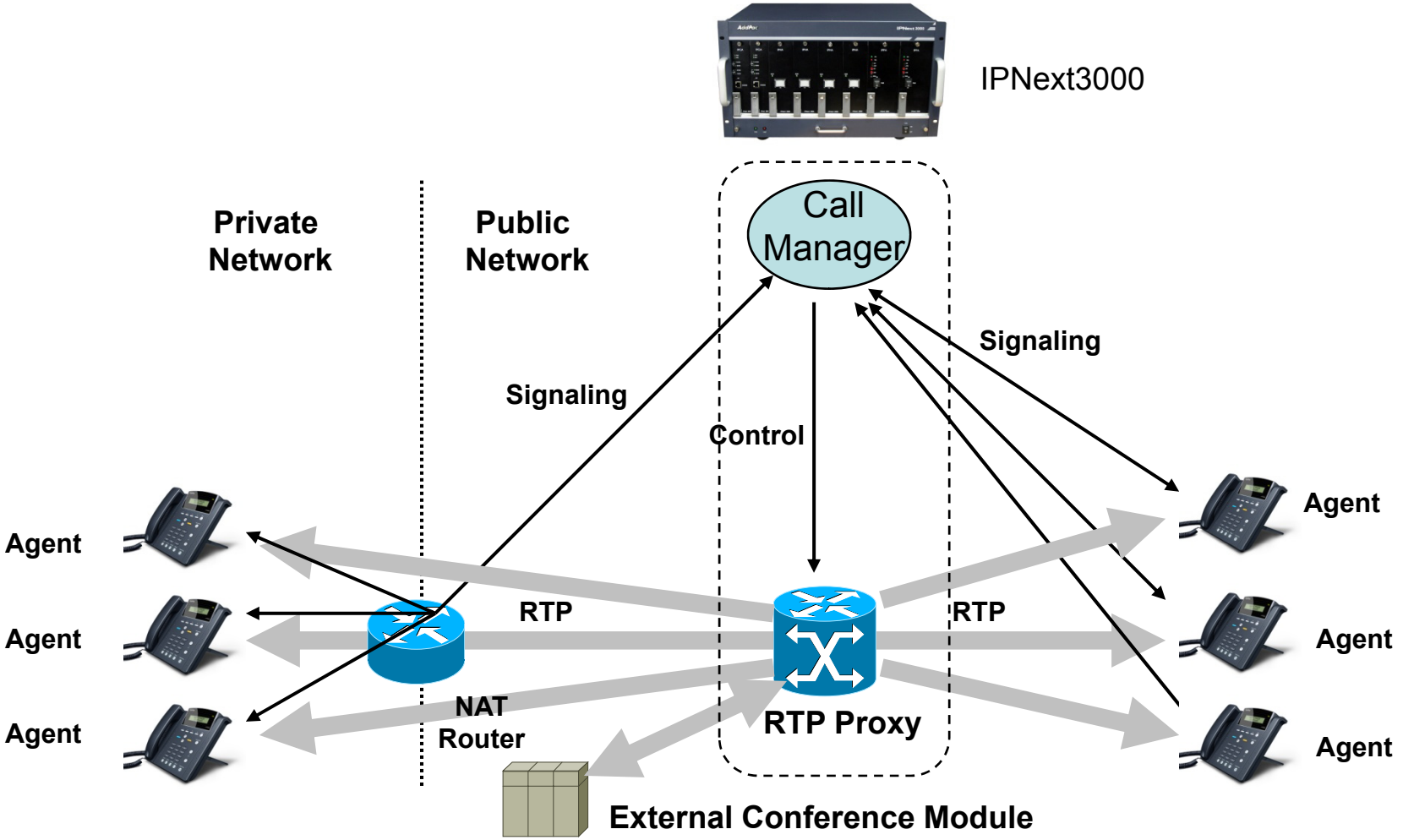
- Located in public network
- RTP Proxy has single public address
- Auto detect for asymmetric NAT via incoming RTP packet

RTP Broadcast



- Call Manager set the broadcaster and listener via control message
- One broadcaster and multiple listener
- RTP proxy relay for broadcaster RTP traffic
- RTP proxy never relay for listener traffic

RTP Conference

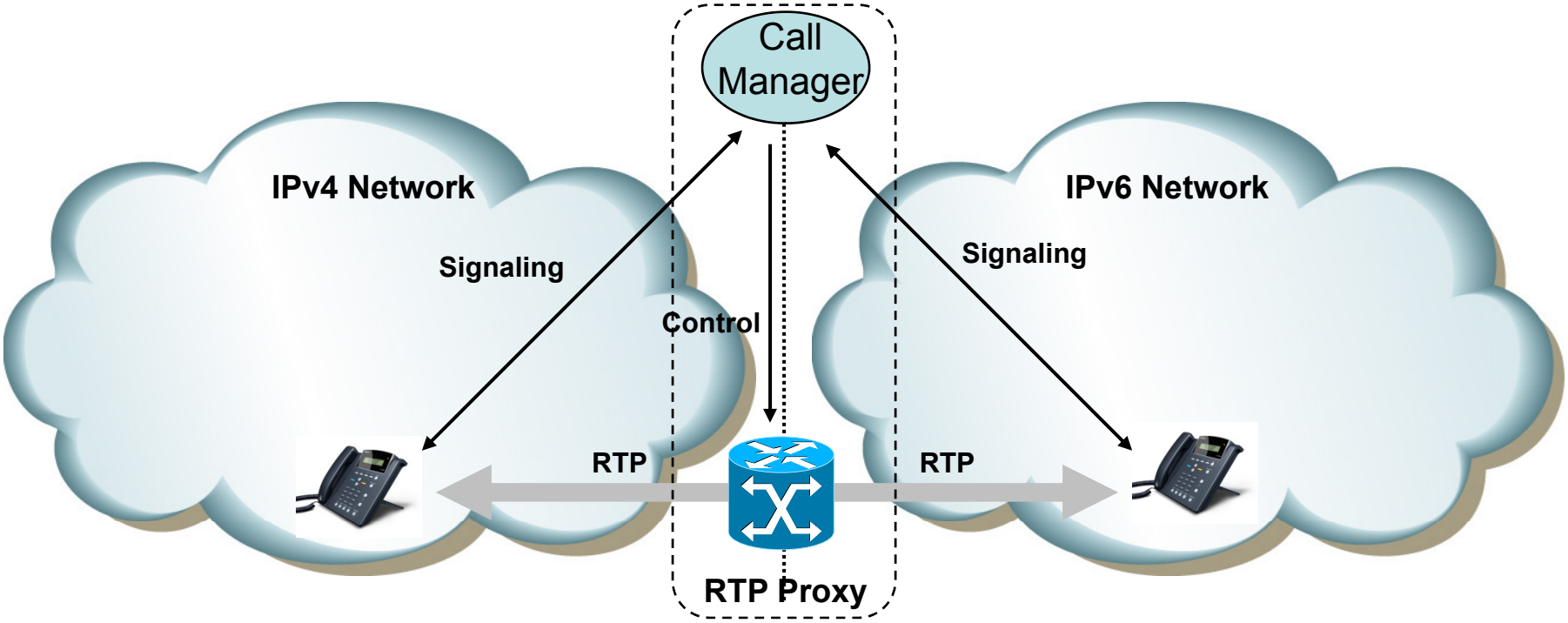


- RTP Proxy communicate with external/internal conference module (mixer)
- Conference support for private address, asymmetric NAT

IPv4/IPv6 RTP Proxy



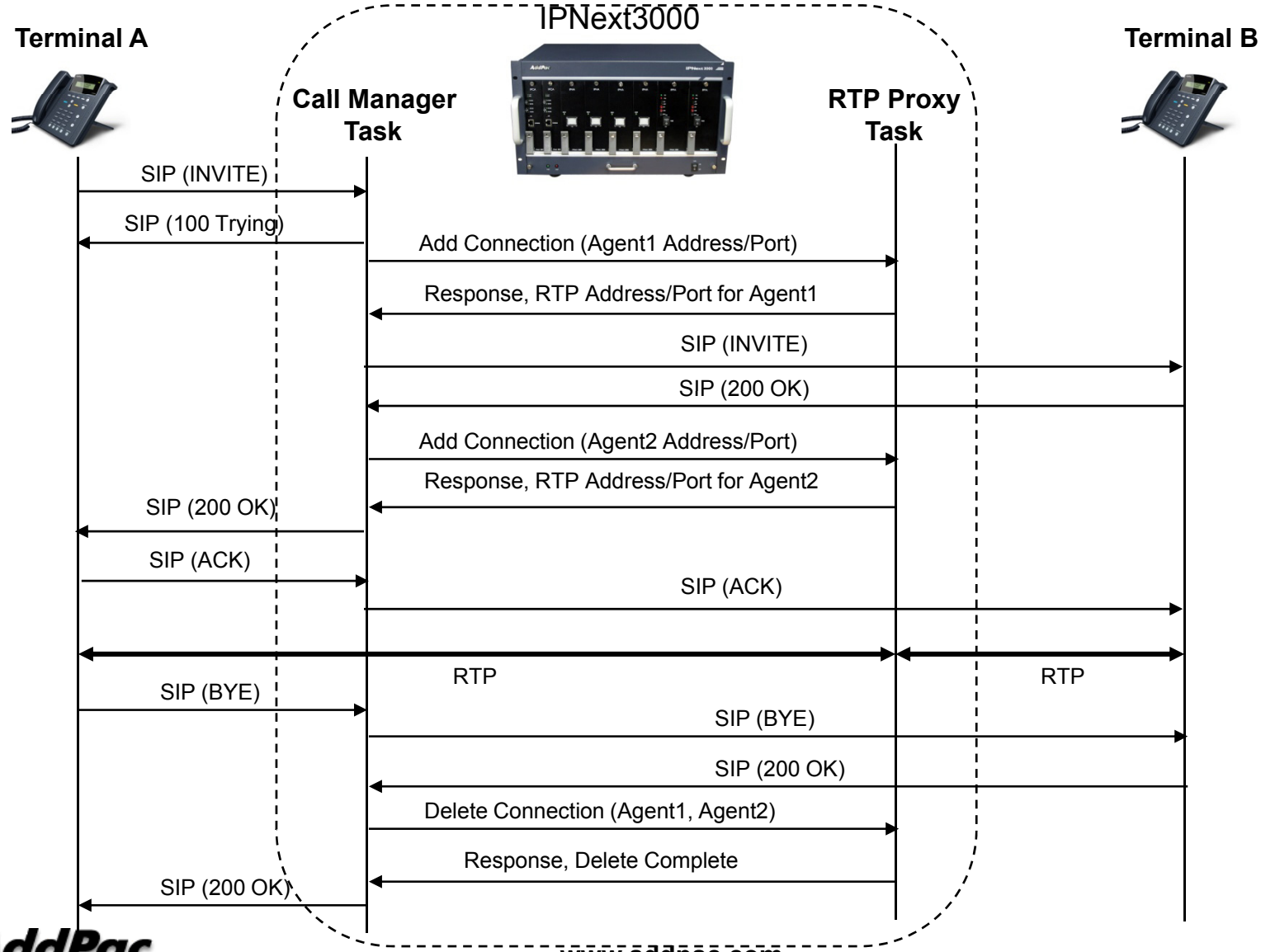
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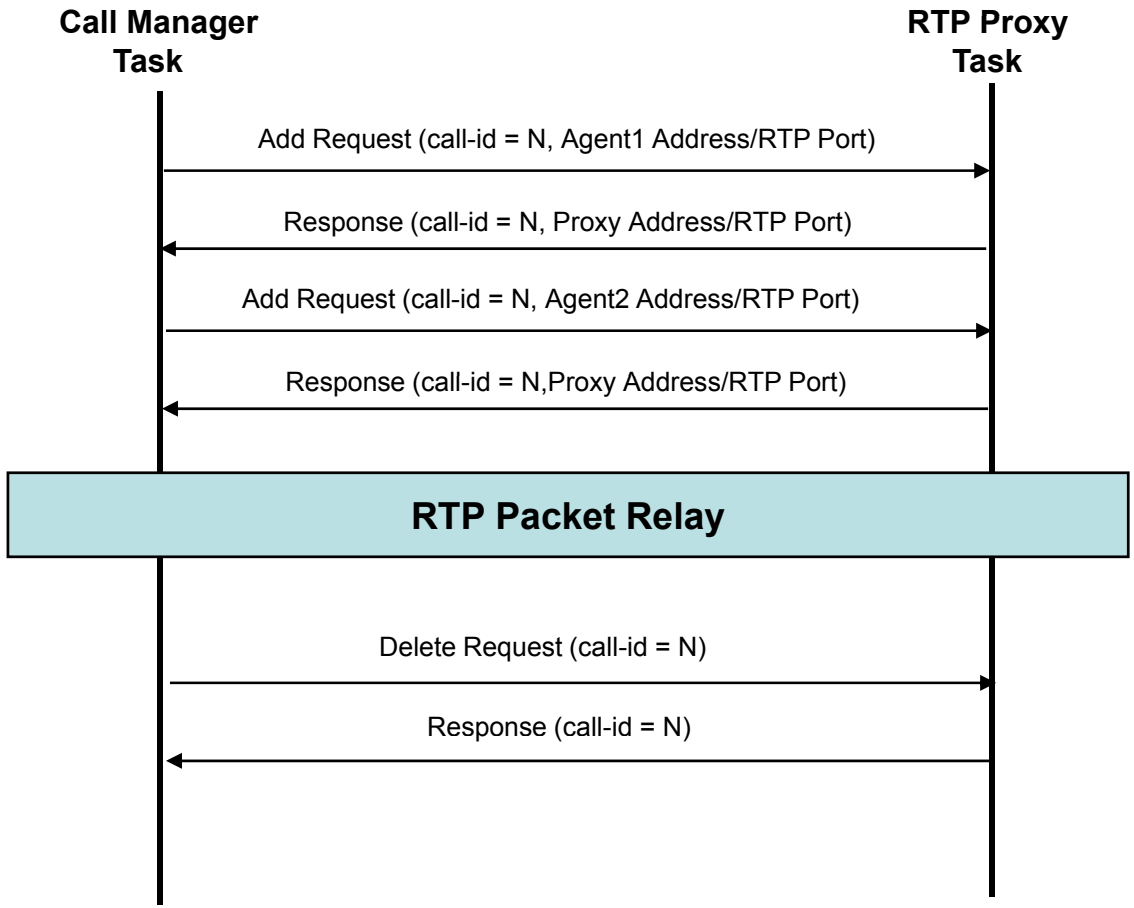
- Call manager and RTP proxy has IPv4 and IPv6 address
- Support RTP broadcasting

Signal Flow Diagram

Signal Flow Diagram (Ex: SIP)



RTP Proxy Control Message



Thank you!

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