IPNext100™
NGN IP-PBX

High-performance Next Generation IP-PBX Solution

RTP Proxy Function for Private IP Problem Solving

AddPac Technology
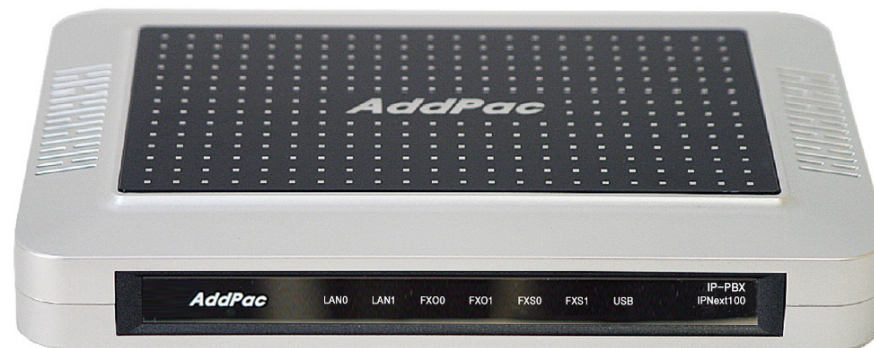
Sales and Marketing

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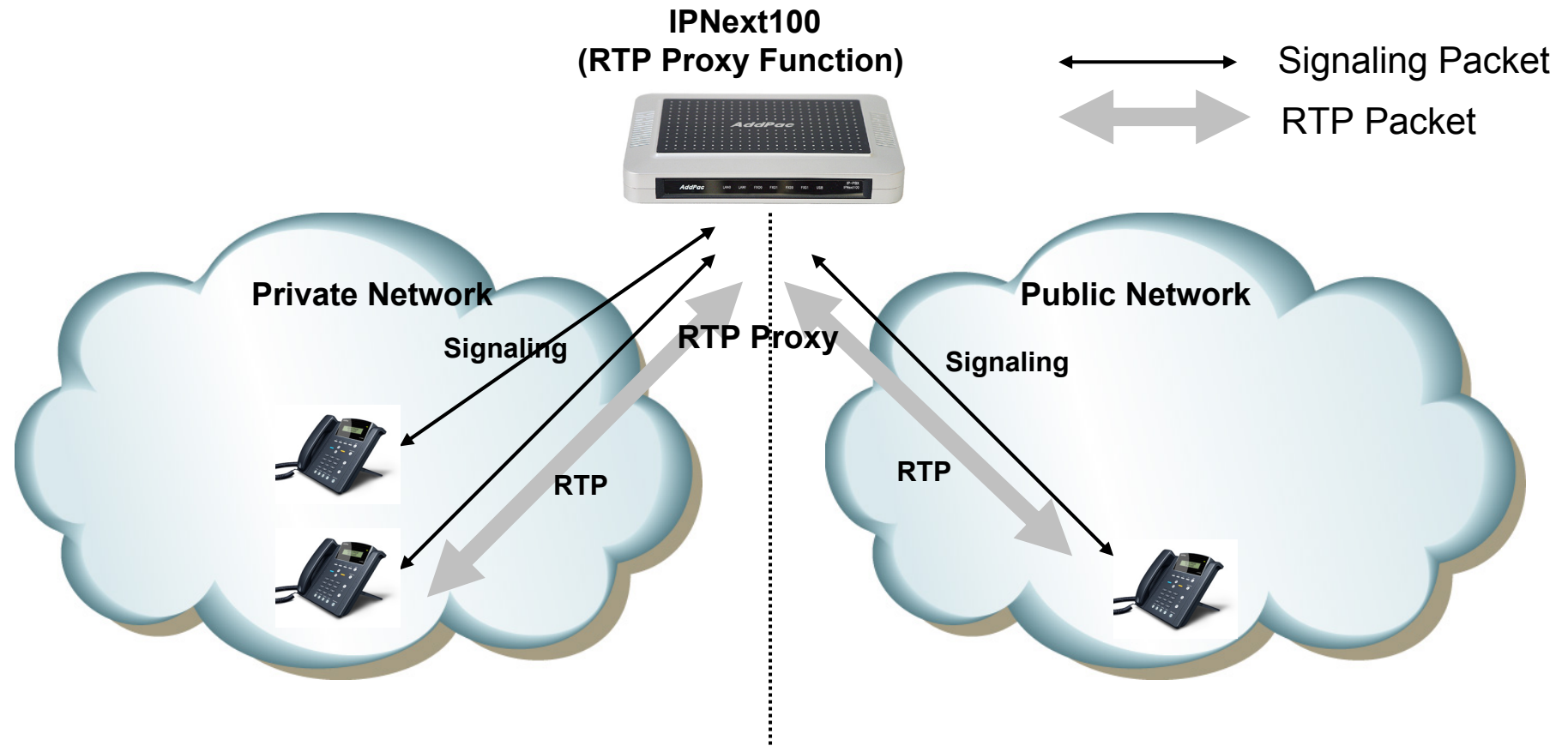 - IPv4/IPv6 RTP Proxy

RTP Proxy Function Overview

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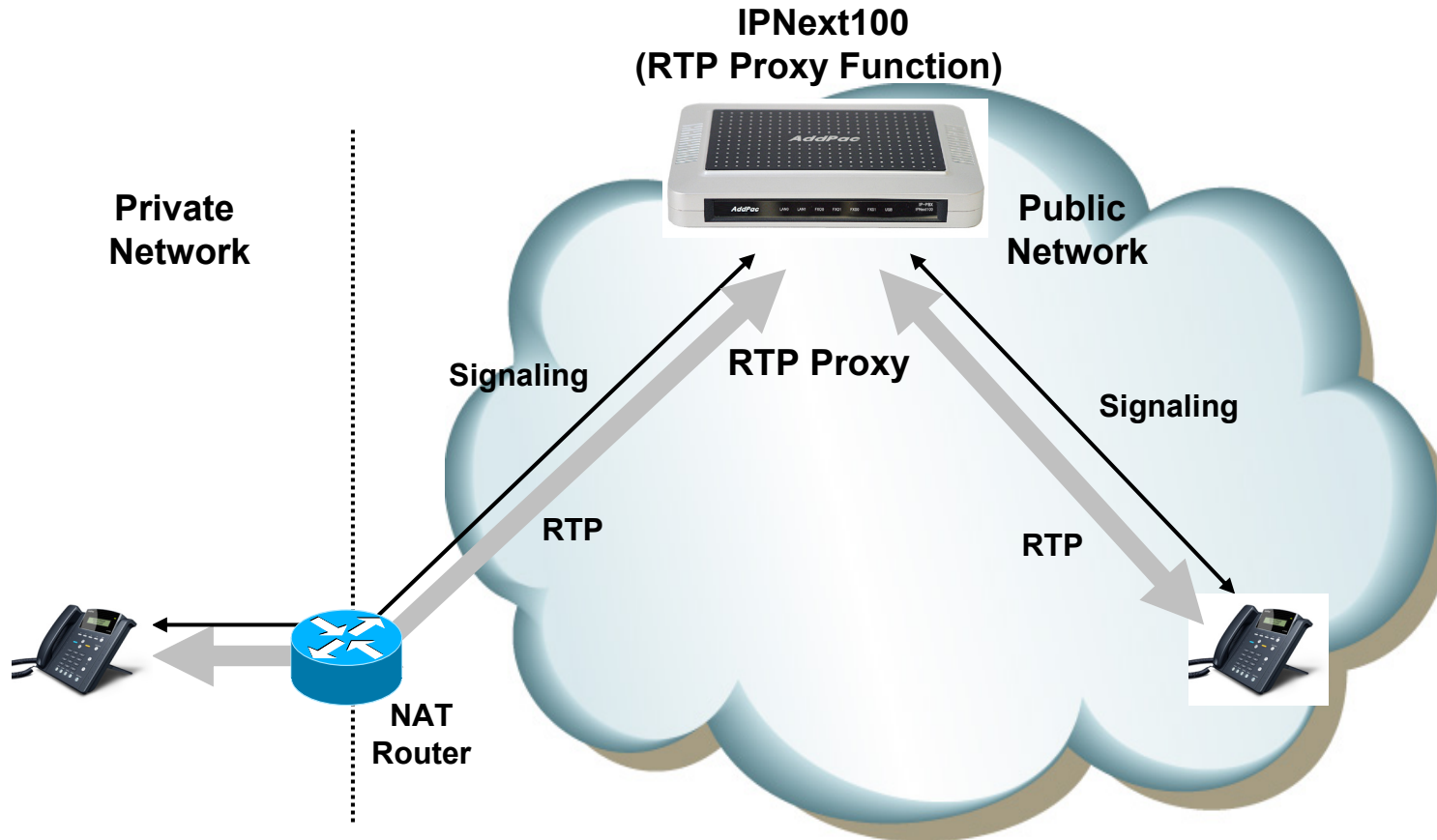
RTP Proxy Configuration

Public/Private RTP Proxy without NAT Router

IPNext100
(RTP Proxy Function)

→ Signaling Packet

⟷ RTP Packet

Private Network

Public Network

Signaling

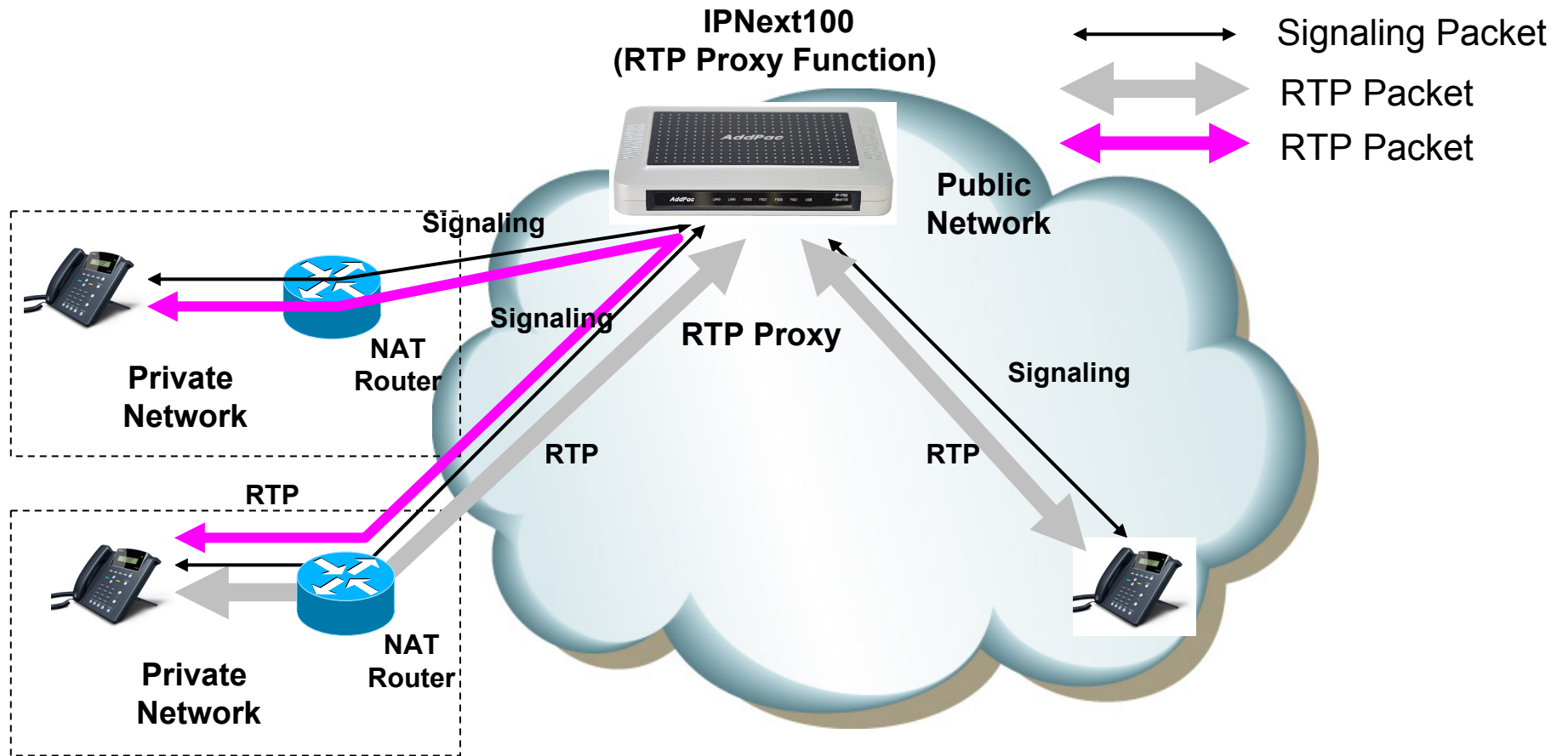**RTP Proxy**

Signaling

RTP

RTP

- Located between public and private network
- IPNext100(Call manager + RTP proxy) has public and private address
- IPNext100 determine that the call is internal or external

Asymmetric/Symmetric NAT

**IPNext100
(RTP Proxy Function)**

**Private
Network**

**Public
Network**

Signaling

RTP Proxy

Signaling

RTP

RTP

**NAT
Router**

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

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RTP Proxy Communication between Private IP

IPNext100
(RTP Proxy Function)

Signaling Packet

RTP Packet

RTP Packet

Public Network

Signaling

Signaling

RTP Proxy

Signaling

Private Network

NAT Router

RTP

RTP
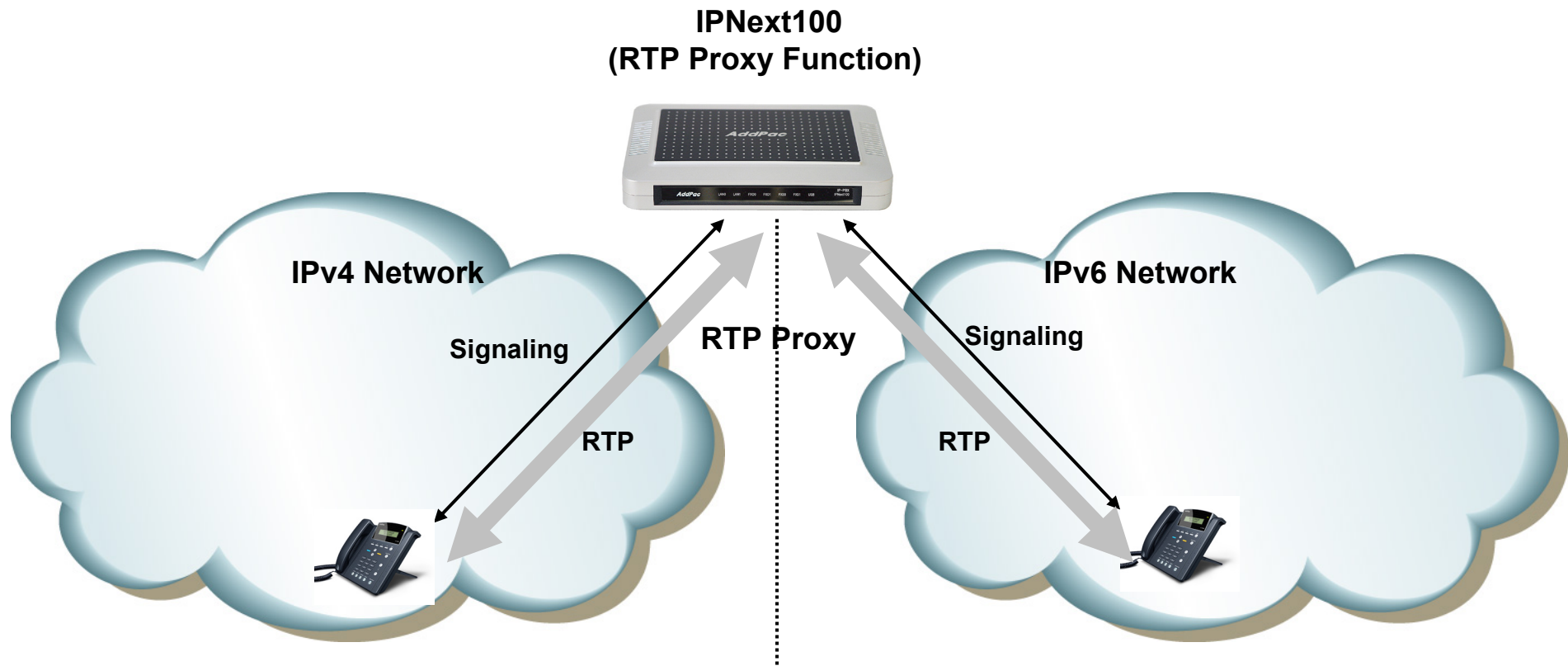
RTP

Private Network

NAT Router

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

IPv4/IPv6 RTP Proxy

**IPNext100
(RTP Proxy Function)**

IPv4 Network

IPv6 Network

Signaling

RTP Proxy

Signaling

RTP

RTP

- IPNext100(Call manager + RTP proxy) has IPv4 and IPv6 address

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Thank you!

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