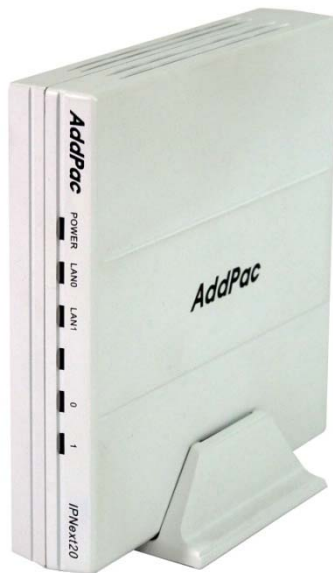


IPNext20™

SOHO IP-PBX System

High Performance SOHO IP-PBX Solution

NAT Traversal Service for SIP Port
Blocking Issue Solving



AddPac

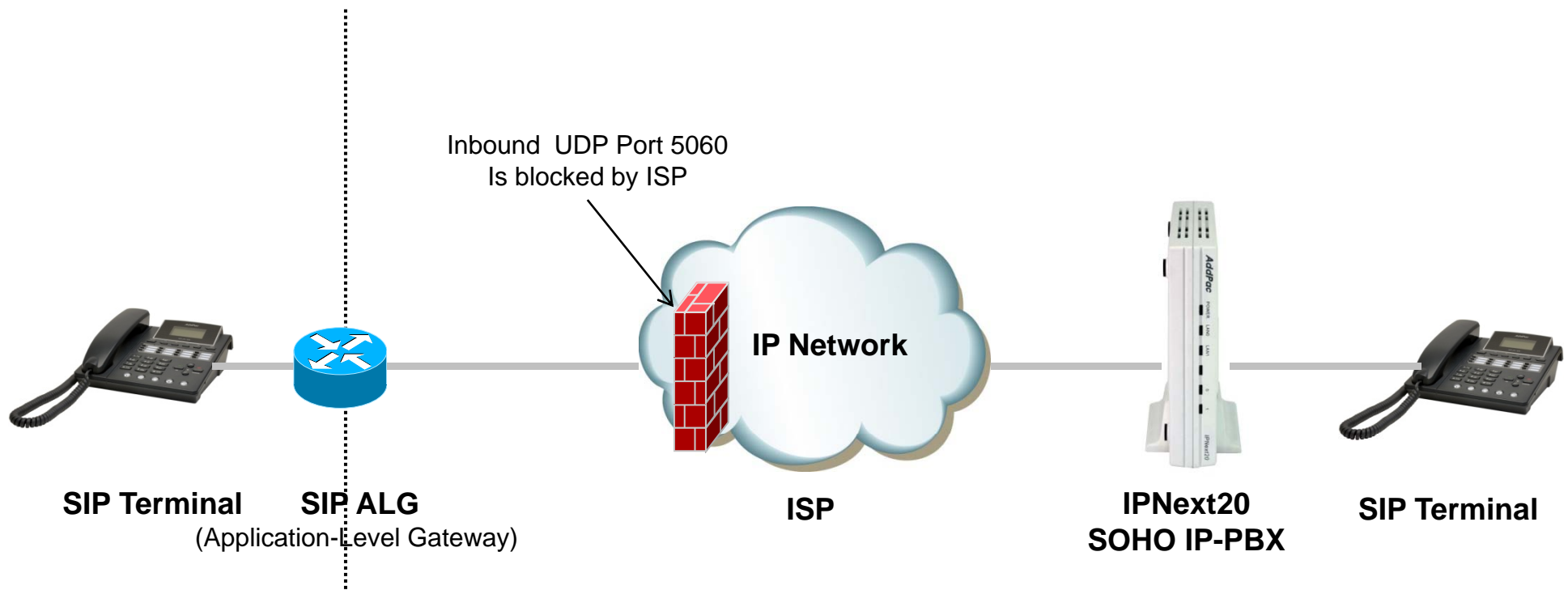
AddPac Technology

2011, Sales and Marketing

Contents

- Network Diagram
- IP Telephony Service Environment
- NAT Traversal Service
 - Call Established Mode
 - Change Session Mode
- Smart Multimedia Manager Configuration

Network Environment

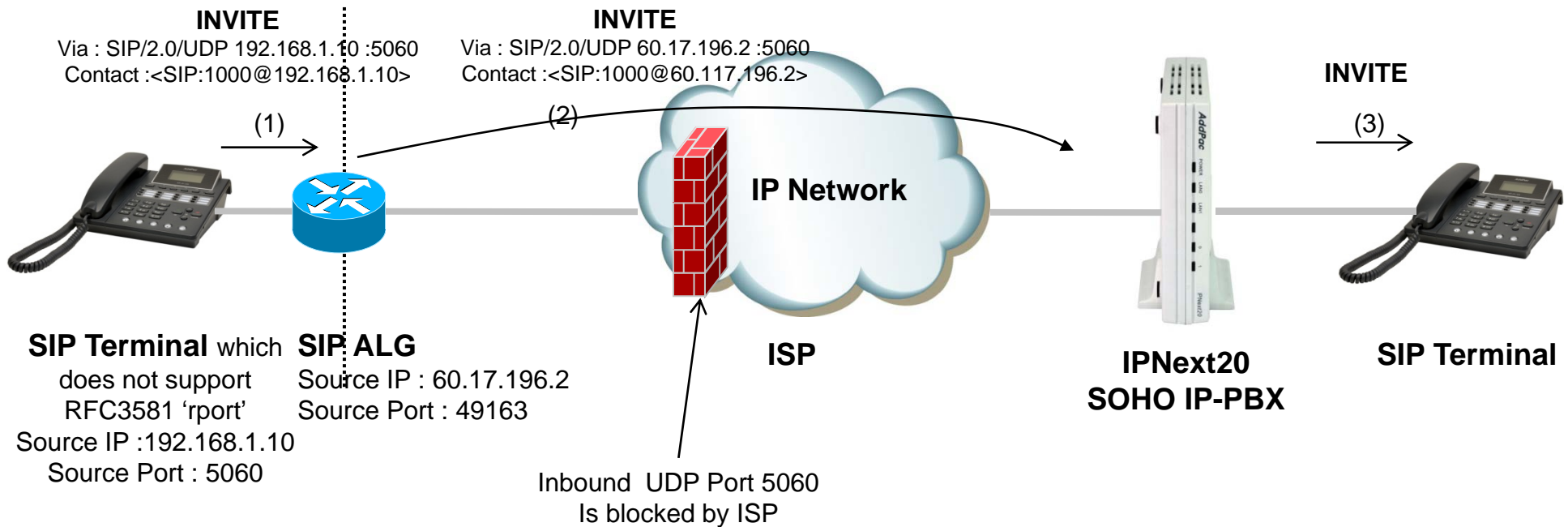


IP Telephony Service Network Environment

- Terminal : IP Phone, VoIP Gateway, etc
 - Located below the NAT
 - Do not support RFC3581 (An Extension to the SIP for Symmetric Response Routing)
- NAT : SOHO Router
 - SIP ALG(Application-level gateway)
 - Replace IP in "Via" header with the public IP and port
 - Replace "Contact" with mapped public IP and port
 - Replace SDP media address with public IP and port
 - In some network environments, the SIP ALG replace "Contact" port in REGISTER message only. It's caused by wrong configuration or abnormal operation.
- Network : ISP Network
 - Inbound UDP port 5060 is blocked by local ISP

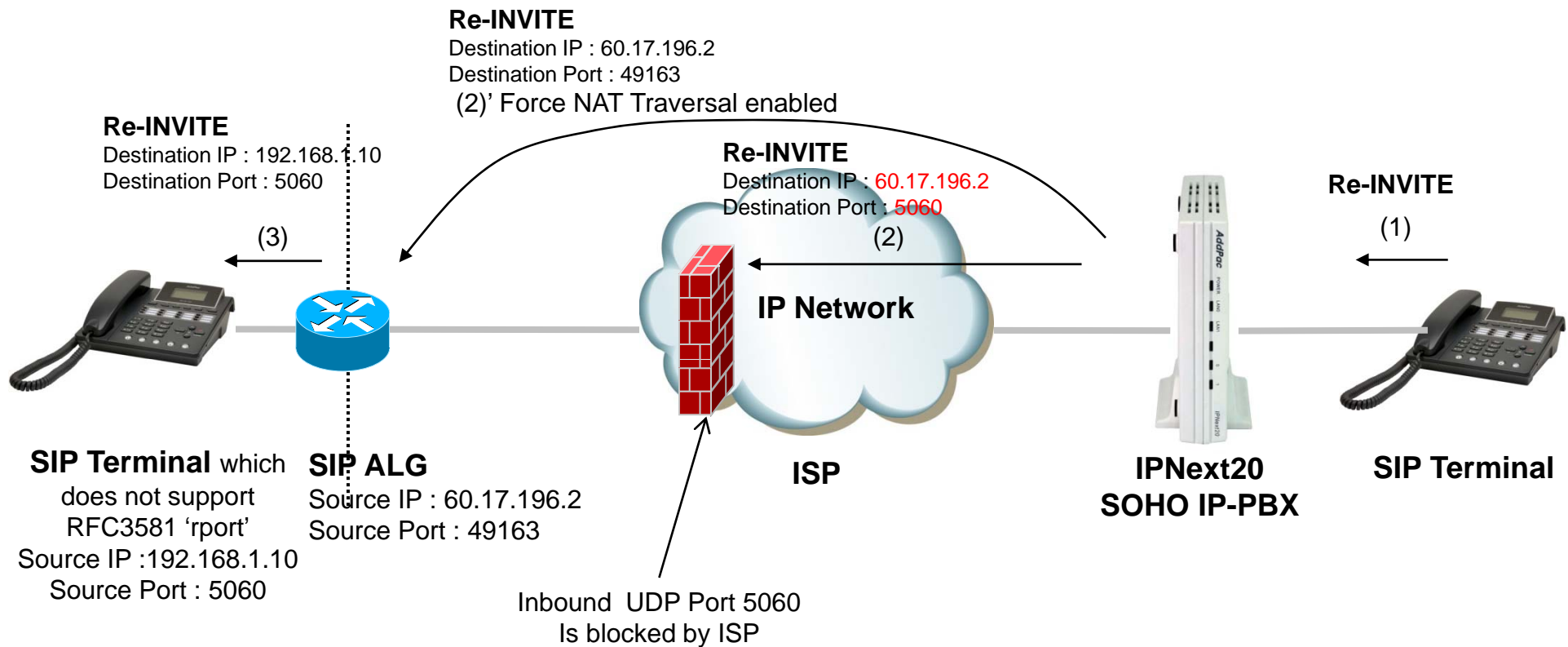
NAT Traversal Service

[Call Established]



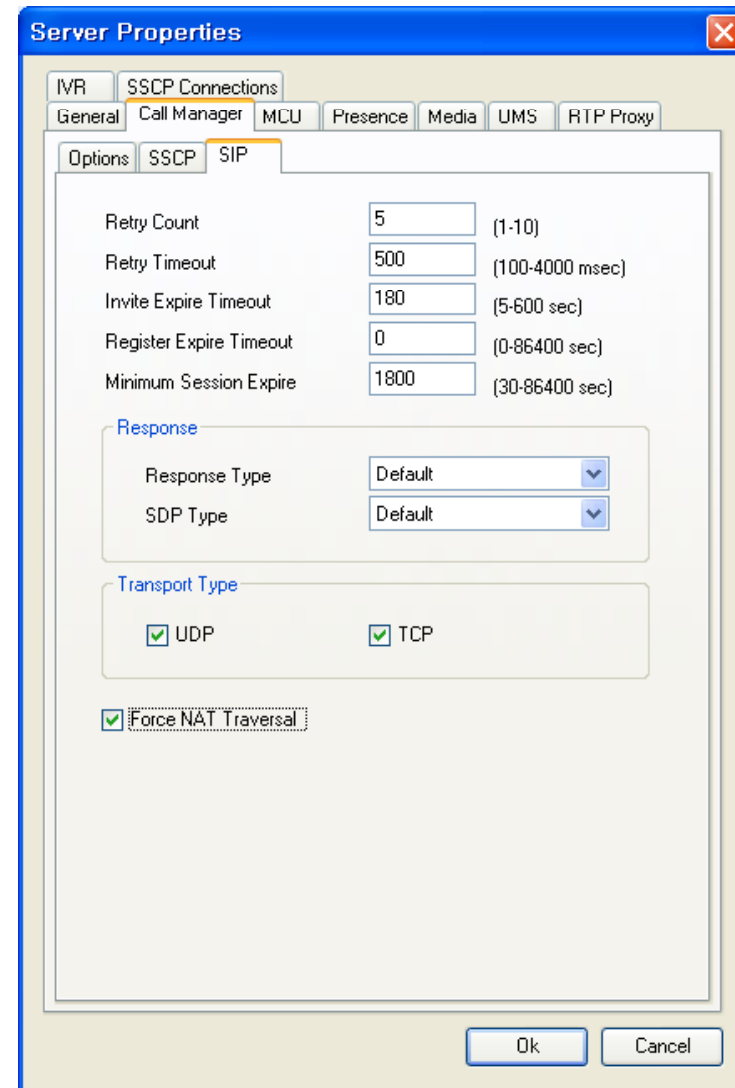
NAT Traversal Service

[Change Session]



Smart Multimedia Manager Configuration

- Smart Multimedia Manager
 - Device Management
 - Devices
 - Server
 - » (IPNext) Properties
- Check 'Force NAT Traversal' option





Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail sales@addpac.com