

VoIP Gateway Series

Satellite QoS Service Overview



AddPac

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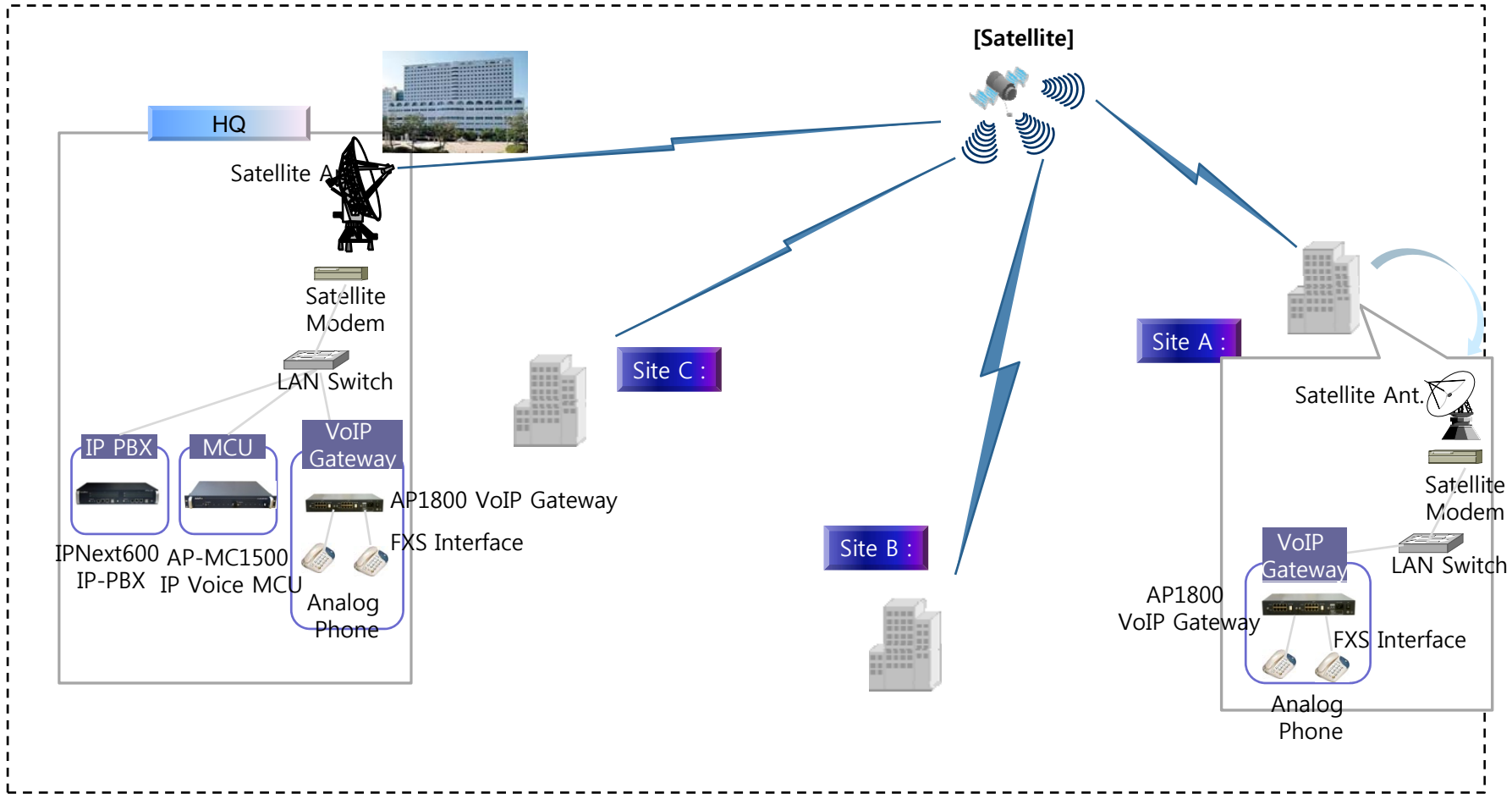
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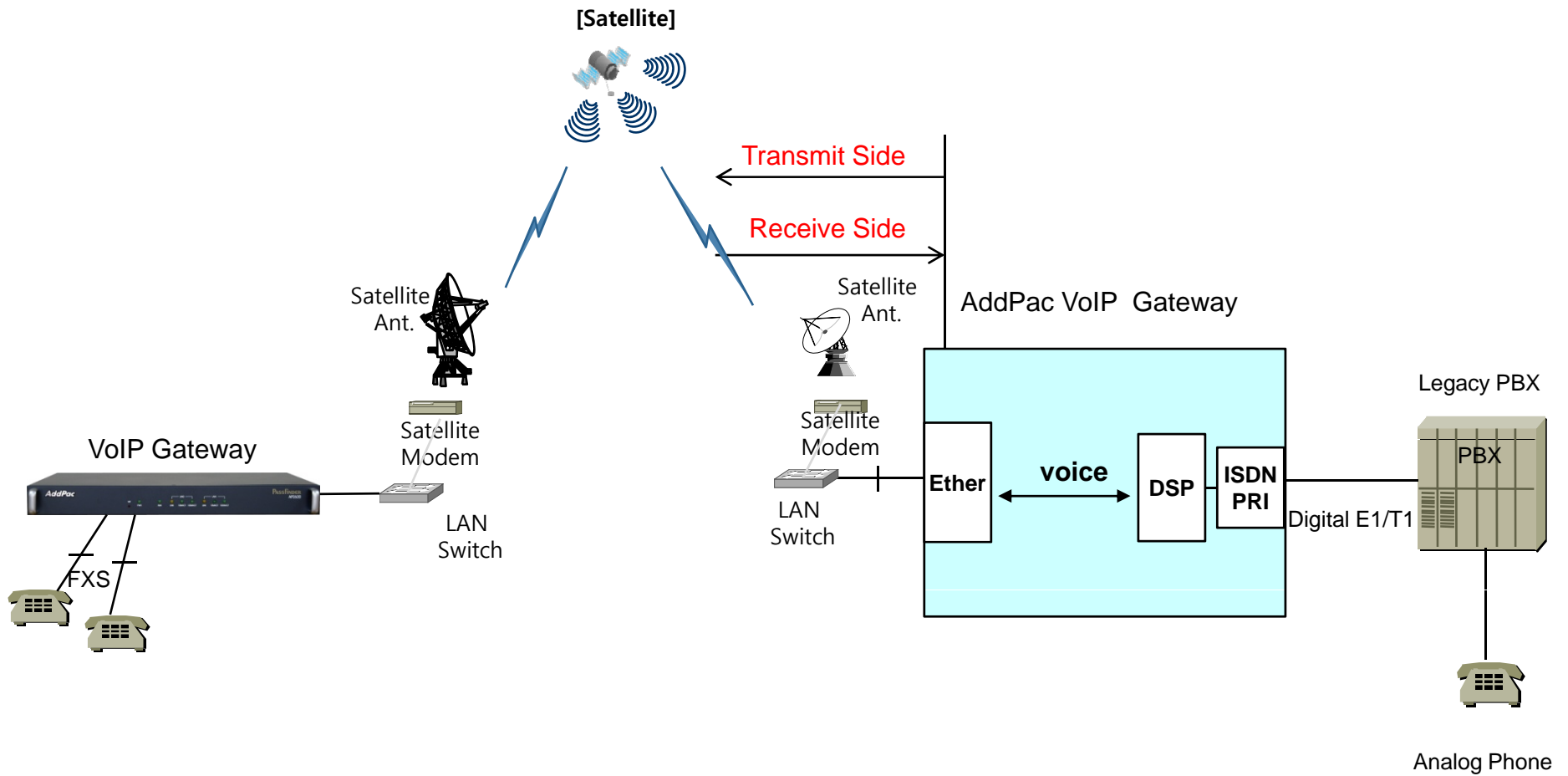
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Satellite IP Telephony Network Diagram



Network Diagram



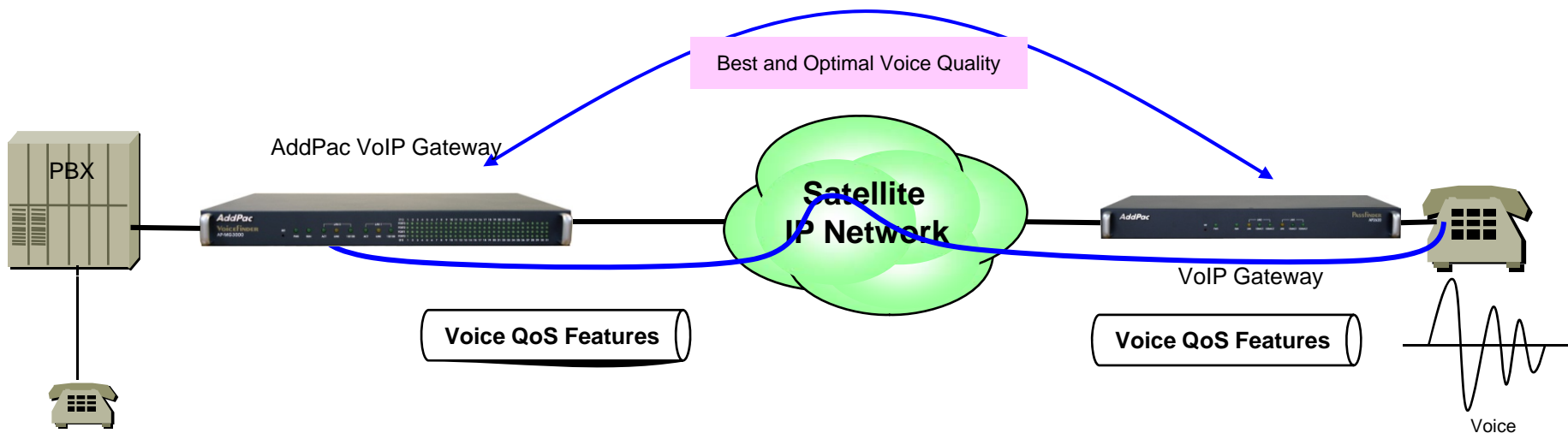
Advanced QoS Features

- Enhances **Transmit** Voice QoS Features

- Voice Traffic Priority Queuing
- QoS Service Profiling
- Providing Virtual Network Transmit Algorithm
- Real-time Voice Traffic QoS Support
- RTP Packet Transmit Interval Control
- Supporting RTP Packet Redundancy Scheme
- IP Header Control such as ToS, Diffserv

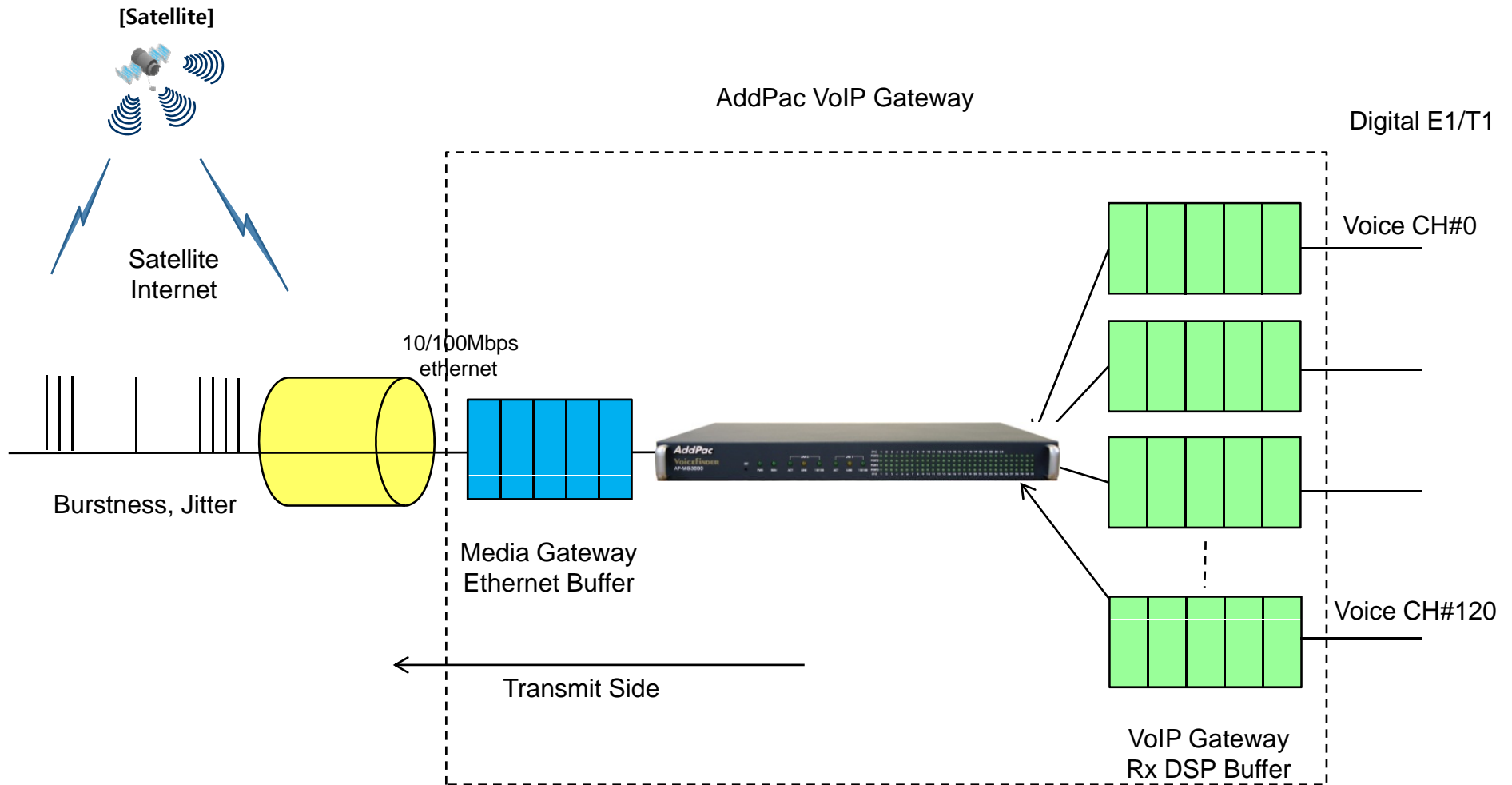
- Enhances **Receive** Voice QoS Features

- Dynamic Jitter Buffer Management
- Error Concealment

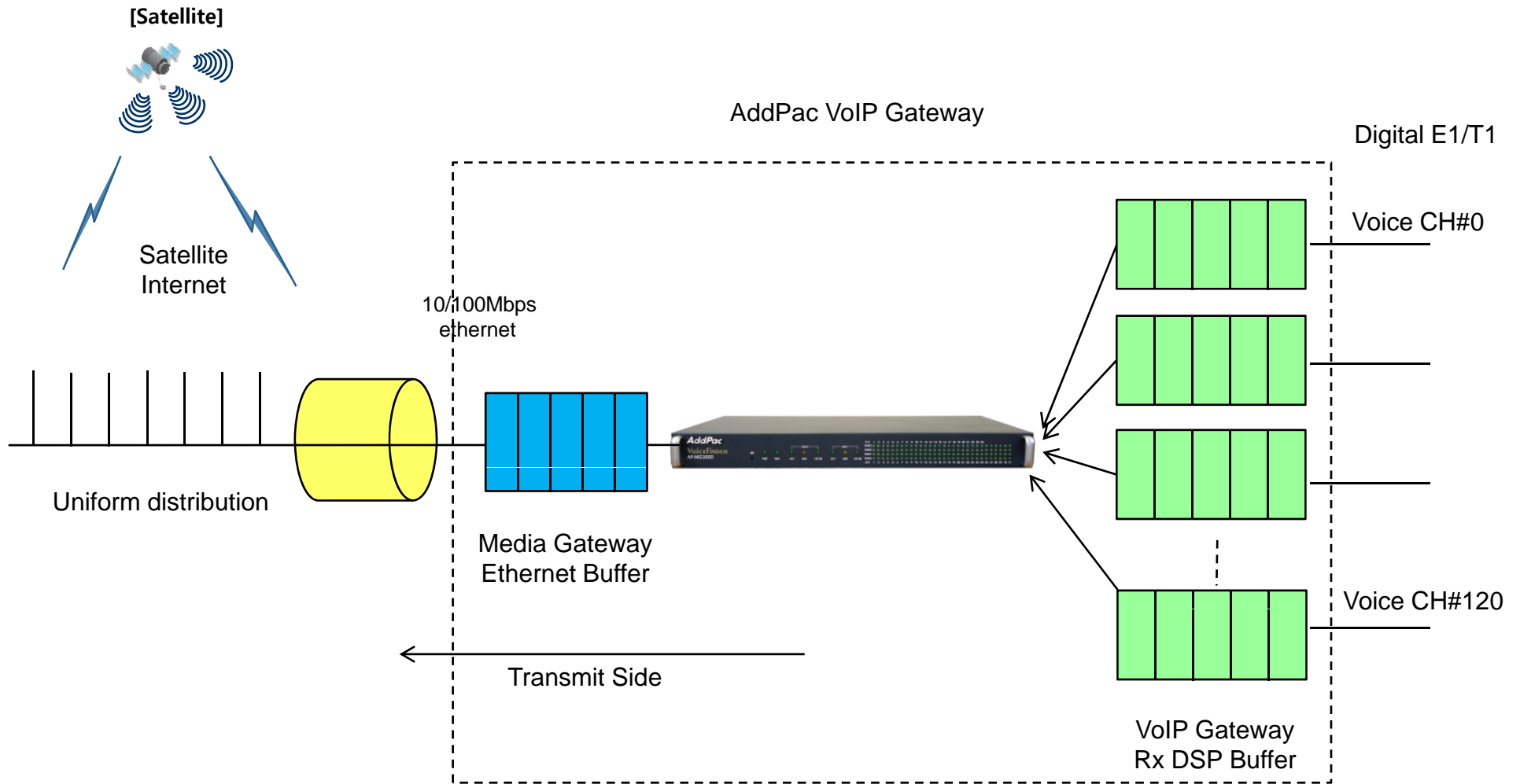


Analog Phone

Packet Transmit (Before QoS enable mode)



Packet Transmit (After QoS enable mode)



CLI for Ethernet interface QoS

```
Welcome, APOS(tm) Kernel Version 8.51.002.  
Copyright (c) 1999-2010 AddPac Technology Co., Ltd.
```

```
User Access Verification
```

```
Login: root ← Login
```

```
Password:
```

```
MG3000_251> enable ← QoS Mode Enable
```

```
MG3000_251# configure terminal ← Global configuration
```

```
MG3000_251(config)# interface FastEthernet0/0 ← Fast Ethernet 0/0 interface configuration
```

```
MG3000_251(config-if)# qos-control  
<48-30000> Qos bandwidth (Kbps)  
<cr>
```

```
MG3000_251(config-if)# qos-control 2048  
<50-2000> Qos packet transmission rate (Packet Per Second)  
<cr>
```

```
MG3000_251(config-if)# qos-control 2048 2000  
<cr>
```

```
MG3000_251(config-if)# qos-control 2048 2000 ← QoS Command
```


Smart Web Manager (QoS Control)

Smart Web Manager
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System -
• Language
• **WAN Setup**
• LAN Setup
• NAT
• NTP
• System Time
• File Browser

Basic +
Advanced +
Miscellaneous +
LCR +
SMS +

WAN & Tunneling Setup

WAN Setup

Hostname Router

IP Address 172.16.9.120 A.B.C.D
Network Mask 255.255.0.0 A.B.C.D
Default Router 172.16.1.1 A.B.C.D
DNS Server Primary DNS Server
Secondary DNS Server

Static IP

User name
Password

PPPoE(ADSL)
Authentication (No Authentication)
 PAP (PPP Authentication Protocol)
 CHAP(Challenge Handshake Authentication Protocol)

DHCP

VLAN ID 0
Auto

QoS Control
- 'Supported by Bandwidth and PPS(Packets Per Second) conditions.'

Enable QoS (optional)

Bandwidth : Kbps (default auto, 48-4096)
PPS : pps (default auto, 50-2000)

Apply

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Thank you!

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