

VoIP DSP Release Notes

Model Name: Gateway

Release Date: 2015-05-11

Hardware Compatibility: RT63368/MT7511/MT7510/MT7525

System Compatibility: Linux Multi-thread, Kernel Version: 2.6.36.0

VoIP Version Number:

VDSP Version: VDSP V 2.0.15.x (Apr 21 2015 14:40:36)

PCM Version: PCM V2.4 (Feb 28 2015 17:27:38)

SLIC Version: Zarlink2.22.0/Silab7.0.2

Adam Version: 0.1.11(May 11 2015 14:40:36)

Version base:

VDSP Version: VDSP V 2.0.14.x (Apr 7 2015 16:24:46)

PCM Version: PCM V2.3 (Dec 20 2013 17:01:17)

SLIC Version: Zarlink2.22.0/Silab7.0.2

Adam Version: 0.1.10(Apr 21 2014 18:14:32)

DSP Feature List

Module	Feature	Note

Update Voip SDK Guide

There is two directories in VoIP SDK:voip and voip-2.6.36

Replace the Directory “apps/private/voip” with Directory “voip” in VoIP SDK

Replace the Directory “modules/private/voip_2.6.36” with Directory “voip_2.6.36” in VoIP SDK

SLIC Selection and Configuration

SLIC Selection setting is configured in /etc/init.d/rcS

For Zarlink SLIC(for example: load le89156 slic):

```
insmod slic3.ko
```

```
insmod fxs3.ko slic1="le89156"
```

For SiliconLab SLIC(now only support Si32260):

```
insmod slic3_silicon.ko
```

```
insmod fxs3_silicon.ko slic1="si32260" slic2="si32260"
```

Default setting

```
cd /tmp
```

```
insmod sys_mod.ko
```

```
insmod pcm.ko
```

```
insmod lec.ko
```

```
insmod slic3.ko
```

```
insmod fxs3.ko slic1="le89156" slic2="le89156_2"
```

```
insmod ksocket.ko
```

```
insmod ortp.ko
```

```
insmod acodec_x.ko
```

```
insmod foip.ko
```

```
insmod ovdsp.ko
```

```
insmod pcmDump.ko
```

```
cd /dev
```

```
mknod vdsp c 245 0
```

```
mknod slic c 251 0
```

```
taskset -p 0x8 `pidof ORTP_TASK`
```

```
taskset -p 0x8 `pidof fxs_task`
```

```
taskset -p 0x8 `pidof DSPProc`
```

```
taskset -p 0x8 `pidof DspUITask`
```

```
taskset -p 0x8 `pidof DspDITask`
```

```
echo 8 > /proc/irq/12/smp_affinity
```

```
echo 4 > /proc/irq/23/smp_affinity
```

```
echo 4 > /proc/irq/25/smp_affinity
```

Bug fixed

Item	Issue Description	Solution	Note
1			
2			
3			

Enhancement

Item	Feature Description	Detail Information	Note
1	Add adamInfcLineTest and adamInfcSlicTypeQuery		
2			
3			
4			
5			
6			
7			
8			
9			