?? Asterisk ?????????????????

Codec	Sampling Rate(KHZ)	Bandwidth(kbp	s) Nominal Bandwidth(kbp	s) License	Remarks
G.711 *	8	64	87.2	Open Source	
G.722	16	48/56/64		Open Source	
G.723.1	8	5.3/6.3	20.8/21.9	Proprietry	
G.726	8	16/24/32/40	?/47.2/55.2/?	Open Source	
G.729 **	8	8	31.2	Patented	
GSM	8	13		Proprietry	
iLBC	8	15.2/13.3		Free to use	
Speex	8/16/32	2.15-24.6(NB) 4-44.2(WB)		Open Source	

** G729 ???????????????????????

G729: ??????

G729A: ????G729??????G729??????????? G729B: ???????(silence suppression)?????????

G729AB: ???????G729A?????? G729B?

??????Asterisk CLI??

CLI> core show codecs [audio|video|image] ?????????

CLI> core show translation ????????????????(transcoding) ??????

CLI> core show translation recalc 10 ??????????????

CLI> sip show channel ????? SIP ???????????

CLI> iax2 show channels ????? IAX2 ???????????

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Codec Name	Type within Configuration
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G.711 u-law	ulaw
G.711 a-law	alaw
G.722	g722
G.723.1	g723
G.726	g726
G.729	g729
GSM	gsm
iLBC	ilbc
Speex	speex

?????????

disallow=all

allow=ulaw

allow=alaw

allow=g729

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- http://www.asteriskguru.com/tools/ba...calculator.php
- https://www.bandcalc.com/

???? G.729 ???????

??????????????????? G.729?

Why NOT G.729?

There are some reasons you might not want or need to use G.729.

- You don't want to pay the license fees or use the codec without the permission of the patent holder.
- You don't want to use extra CPU cycles to perform compression, possibly because CPU power is more expensive than extra bandwidth where you live.
- Your VoIP network is all running on ethernet.

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??? G.729 ? G.723.1 ???????????......

Legal Stuff - Important, please read

To use G.729 or G.723.1 you may need to pay a royalty fee. Please see http://www.sipro.com for details.

Please note that this code is available for you to download for education purposes only and if a patent exists in your country for G.729 or G.723.1 then you should contact the owner of that patent and request their permission before executing the code.

To distribute Intel's IPP libraries with a commercial product, you may need to pay a once-off license fee to Intel (currently \$US180).

My patches to Intel's code are distributed free under the GPL.

Most of the code is just Intel's sample code re-arranged a little bit
to work the way Asterisk expects. Therefore, this work would
not have been possible without Intel doing 95% of the work.

???????????? http://thread.gmane.org/gmane.comp.t...6/focus=174704

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- <u>Voip-info.org::Asterisk Codecs</u>
- Voip-info.org::Bandwidth consumption
- Speex ?????(??)
 - ?? FAQ
- Open Source G.729 and G.723.1
- Compile the codec g729 and g723
- iLBC vs. g729
- ???????? 3G ??????HD Voice???????? AMR-WB?Adaptive Multi-Rate Wideband?????????
- ?????????? AMR-WB ??