

G.722-C62x Data Sheet

Introduction

Beijing YiYuanZhuCheng (YYZC) G.722 audio coding software is an implementation of ITU Recommendation G.722 64 kbit/s SB-ADPCM audio (50 to 7 000 Hz) coding system. The software runs on the Texas Instruments (TI) TMS320C62X family of Digital Signal Processors. The G.722 voice codec may be used for a variety of higher quality speech applications, which has three modes with bit rates: 64, 56 and 48 kbit/s. The latter two modes allow an auxiliary data channel of 8 and 16 kbit/s respectively. Both encoder and decoder pass all ITU-T test vectors.

Resource Requirements^{*†‡}

Software	MCPS (Peak & Average)
Encoder	1.45
Decoder	1.25

Software	Program Memory	Const Data Memory	Stack Memory	Per Channel Data Memory
Encoder	2,592	1,090	32	132
Decoder	2,080	1,090	32	132
Encoder + Decoder	3,680	1,090	32	264

Money Back Guarantee

We will return 50% license fees to our customers who find a better solution with 5% lower MIPS within one year of purchase. No other company in the world can guarantee this except us.

Contact

Web: www.yydsp.com

Email: yyzcdsp@gmail.com

* All MCPS results are based on TI CCS2.20.18 C62xx Cycle Accurate Simulator when encoding/decoding the ITU-T test vectors. The real cycles may vary when running on different C62x DSPs and different inputs.

† All memory usage figures are given in unit of byte.

‡ YYZC keeps the right to update the software without updating these figures.