

G.711 on C64x+ Version 2.00.00.000

Release Notes

January 2012

G.711 is one of the earliest speech coders that convert 16-bit linear PCM samples to 8-bit compressed A-law or U-law samples to give a 64Kbps data rate in the encoder. Decoder expands 64Kbps bit stream into linear PCM samples of 16-bits each at 8 KHz.

Salient features of this product are described below.

- eXpressDSP™ compliant with xDM APIs
- A-law and U-law compression (encoding) and decompression (decoding) supported.
- Operates on sets of 8 samples.
- Fully validated on TMS320C6455 DSK, using CCS version 4.2 with the code generation tools version 7.2.0A10197
- This release supports Little Endian and Big Endian Modes
- This release supports both ELF and COFF format's
- This codec can be used on any of the C6x based platforms such as DM644x, DM646x, OMAP3530, DM648, C6455, C674x, C64x+ and C66x.

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1 New In This Release

- Added ELF support and validated with code generation tools 7.2.0A10197.

2 System Requirements

Refer to section 1.1.2 of G711_XDAIS_UserManual_c64x+.doc

3 Installing G.711 on C64x+

Refer to chapter 2 of G711_XDAIS_UserManual_c64x+.doc

4 Uninstall G.711 on C64x+

Refer to chapter 2 of G711_XDAIS_UserManual_c64x+.doc

5 Release Contents

Library for G711, G711_XDAIS_ReleaseNotes_c64x+,
G711_XDAIS_DataSheet_c64x+, G711_XDAIS_UserManual_c64x+

6 Fixed In This Release

7 Known Issues

The XDAIS Rules 8 (numbered 10 in the QualiTI tool output) is failing. This is expected as we are not hiding internal function symbols, this is applicable for C64x only.