

OMX Media Component

Product manual

OMX Media Component for WMA Standard Decoder Library
for Linux

RTM0AC0000XAWMAD20SL32E

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1. Overview

1.1. Overview of This Document

This Document is the Product Manual for OMX Media Component for WMA Standard Decoder Library for Linux. For function specification, please read related document [1].

1.2. Related Document

Table 1-1 shows the related documents.

Table 1-1 List of Related Document

NO	Document Name	Description
[1]	OMX Media Component User's Manual WMA Standard Decoder Part	Specification documents of WMA Standard Decoder

2. Product Specification

2.1. Basic Specification

Table 2-1 shows the basic specification of this library.

Table 2-1 Basic Specification

Item	Description
Product Number	RTM0AC0000XAWMAD20SL32C
Product Name	OMX Media Component for WMA Standard Decoder Library for Linux
Software categories	Multimedia codec processing
Outline of Function	Provide OpenMAX IL 1.1.2 Core / Component API
Target CPU	ARMv7 architecture
Target LSI	R-Car H2 / M2 / E2 Series
Language	C Language
Endian	Little endian
Supported OS	Linux 3.10
Tool	cortexa15hf-vfp-neon-poky-linux-gnueabi gcc version 4.8.3 20140401 (prerelease) (Linaro GCC 4.8-2014.04)
Library Format	Dynamic Link Library
CPU load	10[MHz] *1
Number of thread	3 threads per a Media Component instance except for the threads created in User Defined Function part.
Thread priority	Thread priority shall be determined in User Defined Functions part.
System Call	This library does not call system call functions directly. All OS-dependent processing shall be implemented in User Defined Functions part.

*1 : It is a reference value when playing general contents (48kHz/128kbps/2ch). This value does not guarantee performance.

2.2. Memory Requirement

Table 2-2 shows the memory requirement of this library. The sizes in Table 2-2 do not include the memory consumption in User Defined Functions.

Table 2-2 Memory Requirement

Item	Size
Object Size	14Kbyte*1
Stack Size	10Kbyte
Heap Memory Size	100Kbyte
Shared Memory Size	16 – 288Kbyte

*1: It is a value of only this library.

2.3. Reserved Word

Table 2-3 shows reserved word of this library

Table 2-3 Reserved Word

Reserved word	Description
OMX	Prefix word of define, function and macro which is specified by OpenMAX IL specification
OMXR	Prefix word of define and macro which is implemented by Renesas
Omxr	Prefix word of function and variable which is implemented by Renesas

3. List of Files

The file list of this library is shown in Table 3-1.

Table 3-1 File List

Directory		File name		Description
RTM0AC0000XAWMAD20SL32C		-		-
Document	ja	omx_users_manual_wmad_ja.pdf		User's manual (Japanese)
		RTM0AC0000XAWMAD20SL32J.pdf		Product manual (Japanese)
	en	omx_users_manual_wmad_en.pdf		User's manual (English)
		RTM0AC0000XAWMAD20SL32E.pdf		Product manual (English)
Software.tar.gz	OMXR	config	omxr_config_wmad.txt	Configuration file
		lib	libomxr_mc_wmad.so.2.0.0	Library

4. List of Dependent Library

Table 4-1 shows required libraries to use this library.

Table 4-1 Dependent Library List

Product number	Product name
RTM0AC0000XCMCTL20SL32C	OMX Media Component Common Library for Linux
RTM0AC0000XACMND20SL32C	OMX Media Component Audio Common Library for Linux
RTM0AC0000ADWMAMZ1SL32C	ARM WMA Decode Middleware for Linux

4.1. Dependent Library Name

Table 4-2 shows names of dependent libraries to use this library.

Table 4-2 Dependent Library Name List

Product number	Dependent library name
RTM0AC0000XCMCTL20SL32C	libomxr_utility.so.2
RTM0AC0000XACMND20SL32C	libomxr_mc_acmn.so.2
RTM0AC0000ADWMAMZ1SL32C	libWMASTDLA_L.so.1

If the dependent library names are different from the dynamic library file names, please create the symbolic links between them.

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History	OMX Media Component for WMA Standard Decoder Library for Linux

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		Page	Summary
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Renesas Electronics America Inc.

2801 Scott Boulevard Santa Clara, CA 95050-2549, U.S.A.
Tel: +1-408-588-6000, Fax: +1-408-588-6130

Renesas Electronics Canada Limited

1101 Nicholson Road, Newmarket, Ontario L3Y 9C3, Canada
Tel: +1-905-898-5441, Fax: +1-905-898-3220

Renesas Electronics Europe Limited

Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K.
Tel: +44-1628-585-100, Fax: +44-1628-585-900

Renesas Electronics Europe GmbH

Arcadiastrasse 10, 40472 Düsseldorf, Germany
Tel: +49-211-6503-0, Fax: +49-211-6503-1327

Renesas Electronics (China) Co., Ltd.

Room 1709, Quantum Plaza, No.27 ZhiChunLu Haidian District, Beijing 100191, P.R.China
Tel: +86-10-8235-1155, Fax: +86-10-8235-7679

Renesas Electronics (Shanghai) Co., Ltd.

Unit 301, Tower A, Central Towers, 555 Langao Road, Putuo District, Shanghai, P. R. China 200333
Tel: +86-21-2226-0888, Fax: +86-21-2226-0999

Renesas Electronics Hong Kong Limited

Unit 1601-1613, 16/F., Tower 2, Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong
Tel: +852-2265-6688, Fax: +852 2886-9022/9044

Renesas Electronics Taiwan Co., Ltd.

13F, No. 363, Fu Shing North Road, Taipei 10543, Taiwan
Tel: +886-2-8175-9600, Fax: +886 2-8175-9670

Renesas Electronics Singapore Pte. Ltd.

80 Bendemeer Road, Unit #06-02 Hyflux Innovation Centre, Singapore 339949
Tel: +65-6213-0200, Fax: +65-6213-0300

Renesas Electronics Malaysia Sdn.Bhd.

Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No. 18, Jln Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia
Tel: +60-3-7955-9390, Fax: +60-3-7955-9510

Renesas Electronics Korea Co., Ltd.

12F., 234 Teheran-ro, Gangnam-Ku, Seoul, 135-920, Korea
Tel: +82-2-558-3737, Fax: +82-2-558-5141

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