

WM9™

Leading
multimedia
technology
for
desktop & home
devices .

Ateme embedded solutions for WM9™ Series



FEATURES

- Windows Media 9™ certified codecs
- ASF and MPEG2-TS streaming transport support

PLATFORMS

- TMS320DM642
- TMS320C6400



APPLICATIONS

- Real-time encoders
- Set-Top Boxes
- Personal Video Recorders
- Portable devices
- IP appliances

Windows Media 9™ Series provides a dramatically improved multimedia experience with unmatched audio and video quality at any bitrate. It is the most comprehensive platform for the creation, distribution and play-back of digital media.

ATEME Windows Media 9™ Series solutions for Texas Instruments DSPs is a complete suite of codecs and tools libraries to bring the most powerful multimedia desktop solution to the embedded world.

From real-time encoders for recording or streaming applications to portable devices and set-top boxes, the whole chain benefits from Windows Media™ solutions to bring to the user unbeatable quality, efficiency and interoperability.

Solutions from ATEME for DM64x/C64x DSPs

- WM Video 9™ (Main Profile) real-time encoder and decoder
- WM Audio 9™ real-time encoder and decoder
- Advanced System Format (ASF) reader and writer
- MPEG-2 Transport Stream reader and writer

Video support

- Video resolution from sub-QCIF to Full D1 at full frame rate (25/30fps)
- VBR and CBR bit rate control modes

Audio support

- Support of sampling frequencies from 8 kHz to 48 kHz
- VBR and CBR bit rate control modes

ASF support

- Reading and writing
- File mode and streaming mode support
- Audio/Video synchronization and multiplexing
- ASF headers configuration

MPEG-2 Transport Stream support

- Demultiplexing and multiplexing
- Audio/Video synchronization and multiplexing

SAVE for Windows Media™

SAVE (Streaming Audio & Video Engine) is a family of ready-to-use application frameworks provided in source code.

From capture to streaming server (encoder engines) or from streaming client to rendering (decoder engines), the sample code manages audio and video including synchronization. Sample applications demonstrate the use of network or file handling. Family includes:

>SAVE Encoder for Windows Media™ is the core of a real-time encoder. Multiplexed A/V ASF packets are provided to the application in a way suitable for streaming, PCI messaging, storage, etc...

>SAVE Decoder for Windows Media™ is the core of a STB decoder. ASF packets can be received from network, PCI or file. This product is also available in dual codec support (MPEG-2 + WM9™).

Related products

- DMEK 642 Evaluation board
- Thunder Multimedia Player Reference Design

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KEY FEATURES

- Video from sub-QCIF up to Full D1 / full frame rate
- Audio from 8 kHz to 48 kHz
- CBR and VBR modes
- 32-bit fixed point optimized software

PROJECT SUPPORT

- Email support
- Application engineer assistance
- Training
- Customized hardware and software



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