



EM8620L Series



Digital Media Processors with MPEG-4.10 (H.264) and SMPTE 421M (VC-1)

Target Markets

- Digital media adapters
- IPTV
- DVD players/recorders with networking and/or PVR
- HDTV
- Portable media players

Supported Technologies

- DVD-Video, Superbit™ DVD, DVD-R/-RW/+R/+RW, SVCD, VCD, CD/-R/-RW, Picture CD (JPEG) media formats
- Audio DSP for wide variety of audio codecs

Video Decoding

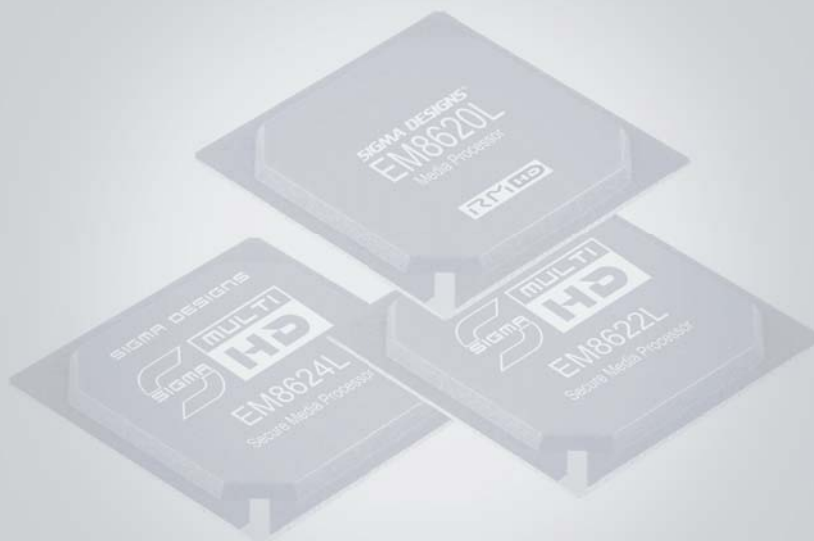
- MPEG-4.10 (H.264) BP@L3, MP@L4.0 and HP@L4.0
- SMPTE 421M (VC-1) MP@HL and AP@L3
- WMV9 MP@HL
- MPEG-2 MP@HL
- MPEG-4.2 ASP@L5 (720p, without GMC)

Advanced Video Processing

- 32-bit OSD
- 2D graphics
- Motion adaptive deinterlacing
- Adaptive flicker filtering
- Programmable up/downscaling
- Prioritized alpha mixing

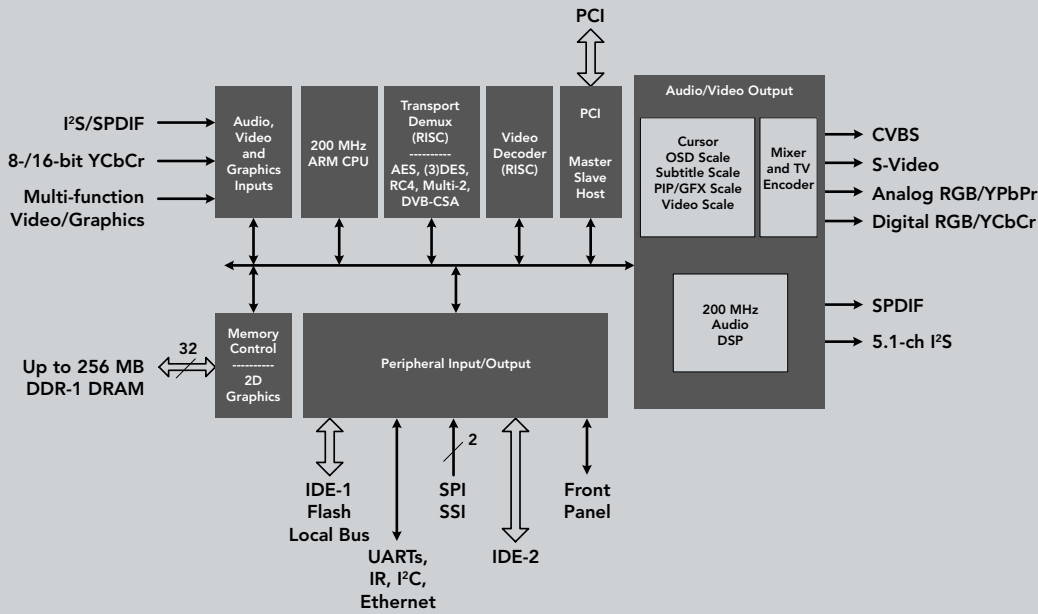
The EM8620L family provides highly-integrated solutions for products requiring high-definition MPEG-4.10 (H.264), SMPTE 421M (VC-1), WMV9, MPEG-4.2 and MPEG-2 decoding.

Incorporating flexible, advanced audio/video processing, the EM8620L family enables cost-effective solutions for consumer products such as digital media adapters, IPTV set-top boxes, networked DVD players, portable media players and HDTVs.



Powering the digital media generation





	EM8620L	EM8622L	EM8624L
Pin-Compatible	EM8610L	EM8620L	
VC-1 and MPEG-4.10 (H.264) Decoding		•	•
OpenType Font Rendering Acceleration	•	•	•
JPEG Decoding Acceleration		•	•
Video Input	8-bit BT.656	8-bit BT.656 with VBI capture	8-/16-bit BT.601/656 with VBI capture
Graphics Input Port			•
Ethernet			•
ISO 7816		shared	dedicated
DRAM Support	32-bit 64 MB	32-bit 128 MB	32-bit 256 MB
External Parallel Flash Support	8-bit 64 MB	8-bit 64 MB	8-bit 64 MB
PCI Peripherals	3	3	4
Clock Rate (MHz)	166	200	200
Non-Macrovision Version	EM8621L	EM8623L	EM8625L

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